

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 10

1200 Sixth Avenue Seattle, Washington 98101

RECEIVED

ANCHORAGE - ADUJA

October 2, 1995

Reply To

Attn Of: OEC-075

David Rowse General Manager Mapco Alaska Petroleum, Inc. 1100 H & H Lane North Pole, Alaska 99705

Dear Mr Rowse:

Enclosed is a copy of the U. S. Environmental Protection Agency (EPA) Multimedia Inspection Report which documented our inspection conducted at your facility between May 10-14, 1993. This inspection was conducted (jointly) with the Alaska Department of Environmental Conservation (ADEC).

We are providing this information to you as part of our effort to inform the regulated community of the results of our multimedia inspections. We apologize for the delay in providing the information to you, and are working to ensure that the time period necessary to process this information is shortened.

If you have questions regarding this matter, please call me at (206) 553-1265. MAGED Sincerely,

Ronald A. Kreizenbeck, Director Office of Enforcement and Compliance

Enclosure

cc: VAl Ewing, Alaska Operations Office w/o enclosure Kristen DuBois-Goodwin, ADEC w/o enclosure

AKD 0701 7/24/00 4a

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RCRA Compliance Evaluation Inspection (CEI) Report

Facility Name:

Williams Alaska Petroleum, Inc., or

Mapco Alaska Petroleum, Inc.

Facility EPA ID#:

AKD 00085 0701

Facility Location:

1100 H and H Lane

North Pole, Alaska 99705

Facility Representative:

Kathleen McCullom, Manager of Environmental Affairs

Corey D. Mead, Environmental Coordinator

(907) 488-0033

Date of Inspection:

June 22 2000

Date of Report:

July 24, 2000

Report Prepared by:

Bruce Long Frues Sm

Inspector(s):

Diane Richardson, Environmental Protection Specialist

US Environmental Protection Agency

222 W. 7th Avenue, Federal Building, Room 537

Anchorage, AK 99513

Bruce Long, Environmental Protection Specialist

US Environmental Protection Agency

811 SW Sixth Avenue Portland, OR 97204

Authority:

The United States Environmental Protection Agency (EPA) performed this Compliance Evaluation Inspection (CEI) to secure information regarding Williams Alaska Petroleum, Inc.'s (Williams or Facility), compliance with the regulations promulgated under the Resource Conservation and Recovery Act (RCRA) as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA). Specifically, regulations found at 40 CFR Part 260 through 270 and 279 for the management, transportation, treatment, and disposal of hazardous waste and used oil as defined under these Parts. This inspection was carried out under the authority of Section 3007 of RCRA.

Scope:

Williams is a small crude oil refinery that receives and stores crude oil in tanks. This inspection focused on the newly hazardous waste listing for the petroleum refining industry. Specifically at Williams, EPA focused on the disposal of crude oil tanks bottoms from the refining operations. This waste stream became regulated as listed hazardous waste on February 8, 1999. In addition, Williams was inspected for compliance with the large quantity generator (LQG) regulations for other sold waste management activities.

Facility Description and Compliance History:

Williams Alaska Petroleum, Inc. began operation in North Pole, Alaska in 1970. The operation is limited to the distillation side of the petroleum industry. Williams does not perform any of the various phases of petroleum cracking (i.e. coking or reforming). Williams downstream process consists of a fractionator (distiller). The products produced are fuel oil, gasoline, kerosene and naphtha solvent. The crude oil is delivered to Williams via the Alaska Pipeline. The straight run residue is stored in tanks and then returned to the Alaska pipeline.

As of the date of this inspection, Region 10 did not have any compliance history other than a notification as a large quantity generator.

Introductions/Williams Staff:

On June 22, 2000, the EPA inspection team arrived at the security gate for Williams Refinery (Williams Alaska Petroleum, Inc., or Mapco Alaska Petroleum, Inc.) in North Pole, Alaska at approximately 8:40 a.m. After check-in, the inspection team met with Kathleen McCullom, Manager of Environmental Affairs and Corey D. Mead, RCRA Compliance Contact. After introductions, the inspection team presented credentials and identified the purpose and scope of the inspection.

Ms. McCullom provided the inspection team the following summary of hazardous wastes generated at the facility:

- Petroleum primary oil/water/solids separation sludge (D001/D018/F037). Williams generates about 5,800 pounds a year. This waste stream is sent to Ensco for incineration.
- 2) Slop and general waste oils from the operation. This is a benzene and lead hazardous waste stream (D008/D018). Williams generates about 500 pounds a year. This waste stream is sent to Ash Grove Cement and burned as a fuel.
- A mercury liquids/solids mixture waste stream, which is from the desalting process (D009). Williams generates approximately 400 pounds per year. The waste stream is disposed at Columbia Ridge Landfill in Arlington, Oregon.

- 4) Slop and general waste oils from the operation. This is a benzene solid hazardous waste stream (D018). Williams generates about 800 pounds a year. This waste stream is sent to Waste Technologies Industries for incineration.
- 5) Slop and general waste oils from the operation. This is a benzene liquid hazardous waste stream (D018). Williams generates about 800 pounds a year. This waste stream is sent to Ash Grove Cement and burned as a fuel.
- 6) Maintenance Shop Waste streams include used oils at approximately 55-gallons per month, aerosol cans and residue at approximately 10 gallons per year. Paint wastes at an undetermined amount per year because this waste stream is not generated on a regular basis. Phillips Environmental handles these waste streams.
- 7) Heat Exchanger solids (K050). Williams generates about 5,800 pounds per year. Phillips Environmental handles this waste stream.
- 8) PPE for the operation and cleaning of equipment at Williams. The volume of waste is included in the annual count for K050 waste. Phillips Environmental handles this waste stream as well.

Facility Inspection:

Refining Operations:

In the maintenance shop, the EPA inspection team observed two 55-gallon containers of used oil. Both containers were clearly marked with the words "Used Oil" and a 10- gallon container of spent aerosol cans with an accumulation date of 12/99 and marked as hazardous waste.

During the wash down of equipment at Williams, the oil/water is pumped into the facilities oil/water treatment system. Solids and liquids from the operation are the source of the two benzene waste streams noted earlier.

Tank Bottoms Disposal:

Ms. McCullom told EPA that, Williams has four tanks at it refinery. Two tanks are used to store incoming crude oil and two tanks are used to return crude after distillation. Williams receives crude oil via the Alaska pipeline and the waste or unused crude is returned to the pipeline. Ms. McCullom told the EPA inspection team that they were aware of the new listing for the tank bottoms. Thus, in 1998, prior to the listing, the tank bottoms from the crude storage tank were cleaned. According to Ms. McCullom, this was the first time in 20 years the tanks were cleaned. Because Williams can pump any waste back into the pipeline, it is expected that Williams will not be generating any tanks' bottom in the future. All four of the tanks are 2,000-gallons in size and have secondary containment.

Heat Exchanger Cleaning:

At the time of this inspection, Williams was in the process of cleaning its heat exchangers. This cleaning operation is done on a concrete pad located to the north of the refinery (Photo# 1). The concrete pad slopes to the south and during the pressure washing, the liquids flow to two sumps at the south end of the pad (Photo# 2). The solids are scooped up by Williams's personnel with shovels and placed into drums (Photo# 3). A heat exchanger can be seen in Photograph number 4. At the time of this inspection there were nine 55-gallon drums of heat exchanger waste stored on the pad. Phillips Environmental was due later that day to remove the containers. Each container was labeled with a DOT hazardous waste label, the name of the generator (Williams), and the DOT and RCRA hazardous waste description. The accumulation start date was marked on each container. The oldest date was June 9, 2000.

In addition to the heat exchanger activity, the north end of the concrete pad was used to collect and store oil contaminated soils, and during the winter, snow (Photo# 7 and 8). These soils become contaminated from truck traffic and vehicles used at the Williams refinery. Mr. Mead told the EPA inspection team these soils are sent to OIT for disposal.

Hazardous waste Storage Unit:

At the time of this inspection, EPA observed the following containers of hazardous waste were found in Williams's 90-day accumulation area:

- 1) Four 55-gallon containers of oily/water separator sludge marked as D001, D018, and F037 hazardous waste. The containers had the following accumulation dates; 5/16/00, 6/7/00, and 5/12/00.
- 2) One 55-gallon container of high benzene solids marked as D018 had an accumulation start date of 5/2/00.

All containers were in good condition; none were leaking. The containers were closed at the time of the inspection.

Waste Water Treatment Operations:

Crude oil enters the Williams facility via a 2,000-gallon tank (One of two Crude Oil Tanks). The crude oil goes though a desalting and water removal stripper. The water is then piped to a 195-gallon tank that feeds the Bio fixed film treatment unit. This unit is heated from non-contact waters. The results show a reduction in solids that have to be removed from the operation. This is the unit that is the source of the high benzene solids. At the time of this inspection, the EPA inspection team did not observe any waste accumulating near the treatment unit.

Page 5

Other oil waste streams, such as slop contaminated with water from the sump cleaning at the concrete pad is pumped into the 195-gallon tank that feeds the wastewater treatment unit.

Manifest Review:

The EPA inspection team reviewed the manifests at Williams. Each manifest was signed by the Williams representative, the DOT descriptions of the waste matched the documentation observed in supporting the generators waste determinations. Each of the handlers of the waste had an EPA identification number. Copies of the manifests for 1999 and 2000 (as of the date of this inspection) are in Attachment I. All manifests were returned in a timely manner and an "Exception Report" was not required.

For each shipment, Williams was providing a new LDR notification form. Each form contained the information listed under 40 CFR 268.7.

Contingency Plan/Emergency Plan Review:

Mr. Mead told the EPA inspection team that Williams has its own emergency response team. The company trains the local staff to respond to spills and other cleanups. The lead on the spill cleanups is Ms. McCullom. The plan is at the facility and is available to all staff. Emergency telephone numbers were observed throughout the facility.

Summaries and Conclusions/Other:

During the closing conference with Kathleen McCullom, Manager of Environmental Affairs and Corey D. Mead, RCRA Compliance Contact, the EPA inspection team noted the following issues;

1) The concrete pad is used to clean the heat exchangers and store hazardous waste that contain the listed waste K050. This listed waste lies on the pad from several hours to a full day. EPA would consider the pad similar in operation to a drip-pad at a wood treating facility. For example, the pad would need to be thoroughly cleaned and inspected every 90-days. Williams would need to keep a report or log on this activity and make it available to the Regulators.

In addition, Williams would need to insure that waste on the pad was not tracked off onto the surrounding soils.

This inspection closed at approximately 12:300 p.m. on June 22, 2000.

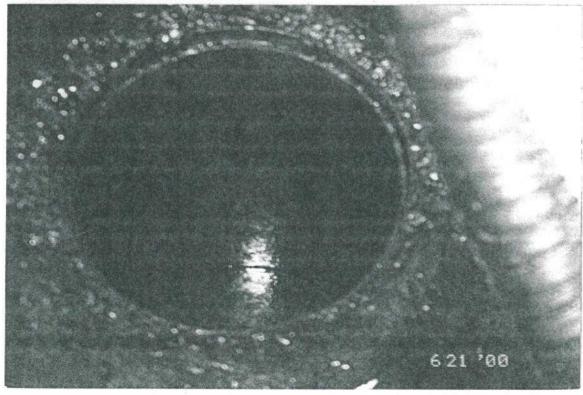
Photographs Williams Alaska Petroleum, Inc. North Pole, Alaska

Attachment I

Manifests with LDR Notices For Williams Alaska Petroleum, Inc. North Pole, Alaska

Photographs Williams Alaska Petroleum, Inc. North Pole, Alaska





MAPCO-WILLIAMS, LASKA PETROLEUM, INC. Photo 1 North Pole, Alaska

Cleaning pad for theheat exchangers look to the south.

USEPA-R10

June 22, 2000

MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 2 North Pole, Alaska

At the south end of the pad are two sumps like this one. The oily water is pumped out and sent to "Tank 195", the headworks of the waste water treatment unit.

USEPA-R10





MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 4 North Pole, Alaska

Observation of a heat exchanger. The soils in the background are from spill clean-ups at Williams.

USEPA-R10

June 22, 2000

MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 3 North Pole, Alaska

Observation of containers holding K050 hazardous waste and the cleaning pad at Williams. Approximately 39 drums of various waste are stored for pickup by Phillips Environmental.

USEPA-R10





MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 5

Observation of the cleaning pad looking northwest.

USEPA-R10

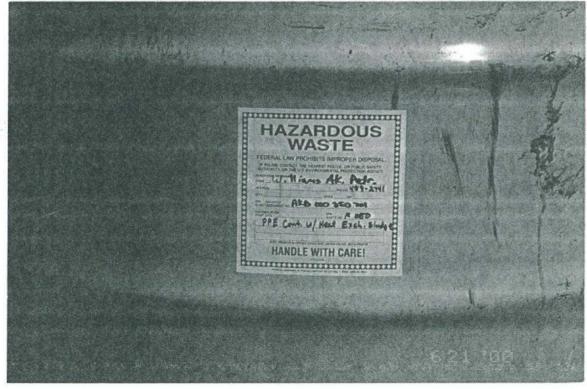
June 22, 2000

MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 6 North Pole, Alaska

Spill clean-up soils. The soils will be disposed at OIT, a soil burning operation located in North Pole, Alaska.

USEPA-R10





MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 7 North Pole, Alaska

Spill clean-up soil. The soils will be disposed at OIT, a soil burning operation located in North Pole, Alaska. Looking south.

USEPA-R10

June 22, 2000

MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 8 North Pole, Alaska

Example of label on hazardous waste stored on the cleaning pad.

USEPA-R10

Attachment I

Manifests with LDR Notices For Williams Alaska Petroleum, Inc. North Pole, Alaska



September 29, 1997

Service Request No: A9700690

Corey Mead Mapco Alaska Petroleum, Inc. 1100 H & H Lane North Pole, AK 99705

Salt Tower Sand blasting (unleaded + premium)

Re: Sand and Sludge

Bulging Fo 37 drums

Dear Corey:

Enclosed are the results of the rush sample(s) submitted to our laboratory on August 19, 1997. Preliminary results were transmitted via facsimile on August 22, 1997. For your reference, these analyses have been assigned our service request number A9700690.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed.

Please call if you have any questions. My extension is 0821.

Respectfully submitted,

Mike Shell

COLUMBIA ANALYTICAL SERVICES, INC.

Mike Shelton

Laboratory Manager

MIS/gmh

COLUMBIA ANALYTICAL SERVICES, INC.

Client:

MAPCO Alaska Petroleum

Project:

Sample Matrix:

Sand and Sludge

Sand, Sludge

Service Request No.:

A9700690

Date Received:

8/19/97

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier 1 data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

All EPA recommended holding times have been met for analyses in this sample delivery group.

Mb Date 9/30/97

Approved by

000000

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:

MAPCO Alaska Petroleum

Project:

Sand & Sludge

Sample Matrix: Sludge

Service Request: K9706022

Date Collected: 8/18/97

Date Received: 8/19/97

Date Extracted: NA

Date Analyzed: 8/21/97

Solids, Total EPA Method 160.3 Modified

Units: Percent (%)

Fo37 Bulying Drums

Sample Name Lab Code

Result

163G

K9706022-001

17.7

156D

K9706022-002

22.6

MW Date: 9130/97 Approved By: 96022ICP,AG1 - TSolids 9/3/97

000003

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:

EMCON

Project:

Sand & Sludge

Sample Matrix: Sludge

Service Request: K9706022

Date Collected: 8/18/97

Date Received: 8/19/97

Date Extracted: NA

Date Analyzed: 8/22/97

Total Sulfides

EPA Method 9030M

Units: mg/Kg (ppm)

Dry Weight Basis

Reactive F037

Sample Name	Lab Code	MRL	Result
163G	K9706022-001	0.05	37000
156D	K9706022-002	0.05	53000
Method Blank	K9706022-MB	0.05	ND

M/) Date: 9/36/97 Approved By: _

APPENDIX A

CHAIN OF CUSTODY INFORMATION COOLER RECEIPT FORM

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST NPR-204

Signed invoice

Project Manager:

Corey Mead

Phone:

(907) 488-0054

Fax:

Ship to:

(907) 488-5152

Project Name:

Sand and Sludge

Columbia Analytical Services

Anchorage, AK 99503

4600 Business Park Blvd Ste #32

Date Shipped:

Carrier:

18-Aug-97 Federal Express

10900

P.O. Number:

Contract Number

Send Results to:

MAPCO ALASKA PETROLEUM Inc.

1100 H & H Lane

North Pole, Alaska 99705

Attention:

Mike Shelton

Attention:

Corey Mead

Relinquished by:

(Signature)

Relinquished by:

(Signature)

Signature)

8-18-97

0900 Time

Sample #1 sand 1 18-Aug-97 07:45 TCLP Metals 163G sludge 1 18-Aug-97 07:50 Total Sulfides
156D sludge 1 18-Aug-97 07:55 Total Sulfides

2 F & B

SPECIAL INSTRUCTIONS: 24 Hour TAT on Sulfides and 72 Hour TAT on Metals, please.

Cooler Receipt and Preservation From

Client:	Mapco Al	aska Petro	oleum, Inc	c.	Work order: A	9700690		
Project:	Sand and	Sludge						
Cooler received on: 8/19/97 and opened on 8/19/97 by Sherr		by Sherry	Long					
	7.0			1.8		Yes	No	N/A
1	Were custod	ly seals on o	outside of co	ooler?		x	O	0
	If yes, how i	many and w	here?		2 f&b			
	Were signat	ure and date	correct?			X	О	0
2	Were custod	ly papers pro	operly filled	d out (ink, s	gned, etc)?	X	O	0
3	Did all bottle	es arrive in	good condi	tion (unbrok	en, etc)?	x	O	0
4	Were all bot	tle labels co	rrect (analy	sis, preserv	ation, etc)?	X	O	0
5	Did all bottle	e labels and	tags agree	with custod	y papers?	X	O	0
6	Were correc	t bottles use	d for test in	idicated?		X	0	0
7	Were VOA	vials checke	d for absen	ce of air bul	obles, and noted?	0	О	X
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09/08/99

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	WILLIAMS ALASKA PETROLEUM INC							17) 32	
	1100 H & H LANE					B. S	tate Generator's	s ID	
	4 Generator's Phone NORTH POLE AK 99705-0000 (907)488-0033 5 Transporter 1 Company Name 6 US EPA ID Number					C 6	tate Transporte	r'e ID	
	5 Transporter Company Name 6 USEPA D Number Burlington Environmental, Inc. AKD983068602					Annual State of the last of th			07)272-9007
	7 Transporter 2 Company Name B US EPA ID Number						tate Transporter	-	01/212 3001
	Alaska Railroad Corporation AKD981767403								07)265-2476
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		HU	RLINGTON ENVIRONMENTAL INC.						
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A		L			, -				
T O R	b.	RQ	HAZARDOUS WASTE LIQUID, N.O.S. (SULFOLAME, BENZENE) 9 NA30 PGIII (BENZENE) ERG#(171)	082	4	DM	1800	P	D018
	C.	RQ	HAZARDOUS WASTE, LIQUID, N.O.S.(PETROLEUM DISTILLATES) 9 PGIII (KO50) ERG#(171)	NA3082	ı	DM	50	P	E050
	d.	RQ	HAZARDOUS WASTE LIQUID, N.O.S. (LEAD, BENZENE) 9 NA3082 PC (LEAD) ERG#(171 }	GIII	1	DM	450	P	D008 D018
	15.	452 921	45258-07 - OILY WATER, SEPARATOR SLUDGE - AFO1 AFO2 AFO3 5) b) 52831-05 SULFOLANK WITH BENZENE - AFO1 AFO2 AFO3 257-07 HEAT EXCHANGER SLUDGE - AFO1 AFO2 AFO3 AFO4 INC. 42-03 USED KEROSENE - AFO1 AFO2 AFO3 AFO4 (8) Ecial Handling Instructions and Additional Information	3 AFO4 INCO9	(6) c)	1	a) b) c} d	1)	
	16	prop acco If I a ecor threa wast	IERATOR'S CERTIFICATION: I hereby declare that the contents of this consigning realizable international and national government regulations. Im a large quantity generator, I certify that I have a program in place to reduce nomically practicable and that I have selected the practicable method of treatment, at to human health and the environment; OR, if I am a small quantity generator, I be management method that is available to me and that I can afford. Signal	d are in all respe the volume and I storage, or dispo have made a go	cts in prope toxicity c! v sal currentl	er condit vaste ge y availat	lion for transport enerated to the de ble to me which mi	nimizes tr	e present and future
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9A269

Nease print or type. (Form designed for use on elite (12-p	tch) typawriter

Form Approved, OMB no. 2050-0039. Expires 9-30-99

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator's US EPA ID No	O. Manifest Do	ocument No.	22. Pag 2 0f	areas i		the shaded quired by Federal
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1100 H & H I	ANE K 99705-0000 (907)48	98 0022		M. State	e Generator's	ID	
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26. Transporter O Company No		27. US EPA ID Num		P. State	Transporter'	sID	
Union Pacific Railr	oad Co.	NED0017929	910	Q. Tran	sporter's Pho	ne (3	14) 622-0123
28. US DOT Description (Including			29. Cont	ainers	30. Total	31. Unit	R. Waste No.
(TRU)	B 22.5 - HEROTO COCCERNICO-IN PRINCOCINALO, PROCESSO INVESTOR	Company of the contract of the	No.	Туре	Quantity	Wt/Vol	
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32. Special Handling Instructions	and Additional Information						
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34. Transporter Acknowled Printed/Typed Name On D	Enall of Receipt of Materials	Signature		, ,	0		Month Day Year
35. Discrepancy Indication Space	e Pacific	10.2	ma	ch			10 18 19
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Burlington Environmental Inc., a wholly owned subsidiary of PHILIP SERVICES CORP., RCRA Land Disposal Restriction Notification Form EZ

Generator: Williams Alaska Petroleum, Inc. U.S. EPA I.D. #: AKD000850701 Profile #: 92144-04 Manifest #: NPR36 The wastes identified on this form are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268,32. Pursuant to 40 CFR 268.7(a), the required information applicable to each waste is identified below (check all boxes that apply): □ Wastewater Treatability Group: Nonwastewater (Wastewaters contain less than 1% filterable solids and less than 1% Total Organic Carbon) □ D001 Ignitable (except for High TOC) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC, unless D001 is the only "D" code and the waste is to be combusted or recovered.) □ D001 Ignitable (except for High TOC) managed in CWA/ CWA-equivalent/Class I SDWA systems ☐ D001 High TOC Ignitable (greater than 10% total organic carbon) □ D002 Corrosive managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D002 Corrosive managed in CWA/ CWA-equivalent/Class I SDWA systems D003 Reactive Sulfides based on 261.23(a)(5) D003 Reactive Cyanides based on 261.23(a)(5) D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in CWA/ CWA-equivalent/Class I SDWA systems □ D003 Other Reactives based on 261.23(a)(1) (Complete form UC) If D004-43 boxes are checked, complete and attach Form UC to address underlying hazardous constituents (unless these wastes are to be managed in CWA/CWA-equivalent/Class I SDWA systems): □ D006 Cadmium □ D005 Barium ☐ D006 Cadmium-containing batteries D004 Arsenic ☐ D008 Lead acid batteries D007 Chromium D008 Lead D009 High mercury inorganic (>260 mg/kg total), including incinerator residue and residues from RMERC D009 High-mercury organic (>260 mg/kg total), not including incinerator residue ☐ D009 All D009 wastewaters D009 Low-mercury (<260 mg/kg total) □ D011 Silver □ D010 Selenium □ D033 Hexachlorobutadiene □ D012 Endrin □ D023 o-Cresol □ D034 Hexachloroethane □ D013 Lindane □ D024 m-Cresol □ D035 Methyl ethyl ketone □ D014 Methoxychlor □ D025 p-Cresol □ D015 Toxaphene □ D026 Cresols (Total) □ D036 Nitrobenzene □ D027 p-Dichlorobenzene □ D037 Pentachlorophenol □ D016 2,4-D D017 2,4,5-TP (Silvex) □ D028 1,2-Dichloroethane □ D038 Pyridine □ D029 1,1-Dichloroethylene □ D039 Tetrachloroethylene D018 Benzene □ D030 2,4-Dinitrotoluene□ D040 Trichloroethylene D019 Carbon tetrachloride □ D041 2,4,5-Trichlorophenol D020 Chlordane □ D031 Heptachlor D021 Chlorobenzene □ D032 Hexachlorobenzene □ D042 2,4,6-Trichlorophenol D022 Chloroform □ D043 Vinyl chloride Note: If any bolded entries are checked, form UC must be completed to address underlying hazardous constituents, unless the material is treated in a Clean Water Act (CWA) treatment process or unless otherwise noted above. In addition, the following wastes are included in this shipment: F001-F005 spent solvents. (If this box is checked, complete the F001-F005 section on the back of this form, Check the hazardous waste number(s) that applies, and identify the constituents likely to be present in the waste.) If this shipment carries additional waste codes that are not addressed above, identify them here: Subcategory (if applicable) **EPA Waste Code EPA Waste Code** Subcategory (if applicable)

Form EZ Revised 10/28/98

This is a two sided form



F001-F005 Spent Solvents

Check the box(es) that applies; identify the individual constituents likely to be present.

Hazardous waste description	Regulated hazardous constituents	
☐ F001 Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene	Methylene chloride 1,1,1-Trichloroethane
	Trichloroethylene Trichloromonofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F002 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F003 Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
☐ F004 Spent non-halogenated solvents	m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
☐ F005 Spent non-halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
*The treatment standards for carbon disulfic solvent nonwastewaters containing only on do not apply when any of the other F001-Fe Hazardous Debris	e, two, or all three of these constituents. Th	waters are based on the TCLP and apply to spent e treatment standards for these three constituents
☐ This shipment contains hazardous debri macroencapsulation or abrasive blasting		emative treatment standards of 268.45 (e.g.,
		er 268.45, hazardous debris must be treated e waste code in 268.40 and list the regulated
The contaminants subject to treatment for the	is debris are identified below:	
EPA Waste Code Subcategory	Contaminants subject to tree	atment
*		

Burlington Environmental Inc., a wholly owned subsidiary of PHILIP SERVICES CORP., RCRA Land Disposal Restriction Notification Form UC

Generator: Williams Alaska Petroleum, Inc. U.S. EPA I.D. #: AKD0008850701 Profile #: 92144-04 Manifest #: NPR36 In accordance with 40 CFR 268.7(a), the underlying hazardous constituents must be addressed in this waste. Per 268.2(i), "underlying hazardous constituent" means any constituent listed in 268.48, Table UTS-Universal Treatment Standard which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. Refer to Form-EZ (attached) for the waste code(s), treatability group, and subcategory applicable to this waste. In order to address underlying hazardous constituents in characteristic wastes, please check the appropriate I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that there are no underlying hazardous constituents reasonably expected to be present in this waste. ☐ I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that underlying hazardous constituents are present in this waste. The underlying hazardous constituents are identified as follows: The determination of underlying hazardous constituents was based on: Generator's knowledge of the waste □ Analysis I certify that I personally have examined and am familiar with the waste through analysis and testing, or through knowledge of the waste to support this certification. I certify that as an authorized representative of the generator named above, all the information submitted in this notification is true and correct to the best of my knowledge.

Burlington Environmental Inc., a wholly owned subsidiary of PHILIP SERVICES CORP., RCRA Land Disposal Restriction Notification Form EZ

Generator: Williams Alaska Petroleum, Inc. U.S. EPA I.D. #: AKD000850701 Profile #: 92142-02 Manifest #: NPR36 The wastes identified on this form are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268.32. Pursuant to 40 CFR 268.7(a), the required information applicable to each waste is identified below (check all boxes that apply): Treatability Group: ☐ Wastewater M Nonwastewater (Wastewaters contain less than 1% filterable solids and less than 1% Total Organic Carbon) □ D001 Ignitable (except for High TOC) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC, unless D001 is the only "D" code and the waste is to be combusted or recovered.) D001 Ignitable (except for High TOC) managed in CWA/ CWA-equivalent/Class I SDWA systems D001 High TOC Ignitable (greater than 10% total organic carbon) D002 Corrosive managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D002 Corrosive managed in CWA/ CWA-equivalent/Class I SDWA systems D003 Reactive Sulfides based on 261.23(a)(5) D003 Reactive Cyanides based on 261.23(a)(5) D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in CWA/ CWA-equivalent/Class I SDWA systems □ D003 Other Reactives based on 261.23(a)(1) (Complete form UC) If D004-43 boxes are checked, complete and attach Form UC to address underlying hazardous constituents (unless these wastes are to be managed in CWA/CWA-equivalent/Class I SDWA systems): □ D005 Barium □ D006 Cadmium ☐ D006 Cadmium-containing batteries □ D004 Arsenic D008 Lead ☐ D008 Lead acid batteries D007 Chromium D009 High mercury inorganic (>260 mg/kg total), including incinerator residue and residues from RMERC D009 High-mercury organic (>260 mg/kg total), not including incinerator residue ☐ D009 All D009 wastewaters □ D009 Low-mercury (<260 mg/kg total) □ D011 Silver □ D010 Selenium □ D012 Endrin □ D023 o-Cresol □ D033 Hexachlorobutadiene
 □ D024 m-Cresol
 □ D034 Hexachlo

 □ D025 p-Cresol
 □ D035 Methyl et

 □ D026 Cresols (Total)
 □ D036 Nitrobenz

 □ D027 p-Dichlorobenzene
 □ D037 Pentachlo

 □ D028 1,2-Dichloroethane
 □ D038 Pyridine

 □ D029 1,1-Dichloroethylene
 □ D039 Tetrachlo
 □ D013 Lindane □ D024 m-Cresol □ D034 Hexachloroethane □ D013 Linuane
□ D014 Methoxychlor
□ D015 Toxaphene □ D035 Methyl ethyl ketone □ D036 Nitrobenzene D016 2,4-D D017 2,4,5-TP (Silvex) □ D016 2,4-D □ D037 Pentachlorophenol □ D039 Tetrachloroethylene D018 Benzene D019 Carbon tetrachloride □ D030 2,4-Dinitrotoluene □ D040 Trichloroethylene D020 Chlordane □ D031 Heptachlor □ D041 2,4,5-Trichlorophenol □ D032 Hexachlorobenzene D021 Chlorobenzene □ D042 2,4,6-Trichlorophenol □ D043 Vinyl chloride □ D022 Chloroform Note: If any bolded entries are checked, form UC must be completed to address underlying hazardous constituents, unless the material is treated in a Clean Water Act (CWA) treatment process or unless otherwise noted above. In addition, the following wastes are included in this shipment: F001-F005 spent solvents. (If this box is checked, complete the F001-F005 section on the back of this form. Check the hazardous waste number(s) that applies, and identify the constituents likely to be present in the waste.) If this shipment carries additional waste codes that are not addressed above, identify them here: EPA Waste Code Subcategory (if applicable) EPA Waste Code Subcategory (if applicable)

Hazardous waste description		Regulated hazardous constituents				
☐ F001 Spent halogenate used in degreasin	r ge	Carbon tetrachloride Cetrachloroethylene Crichloroethylene Crichloromonofluoromethane	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane			
☐ F002 Spent halogenate	И 1 Т	Chlorobenzene Methylene chloride ,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane			
☐ F003 Spent non-haloge	C E N	Acetone Cyclohexanone* Ethyl benzene Methanol* Kylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone			
☐ F004 Spent non-haloge	p	n-Cresol n-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)			
☐ F005 Spent non-haloge	2 N	Benzene -Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene			
solvent nonwastewaters con	itaining only one, two,		ewaters are based on the TCLP and apply to spent he treatment standards for these three constituents			
Hazardous Debris						
☐ This shipment contains macroencapsulation or a		will be treated to comply with the al	ternative treatment standards of 268.45 (e.g.,			
	ibject to treatment."		Per 268.45, hazardous debris must be treated ne waste code in 268.40 and list the regulated			
The contaminants subject to	treatment for this debr	is are identified below:				
EPA Waste Code	Subcategory	Contaminants subject to tre	<u>eatment</u>			

Burlington Environmental Inc., a wholly owned subsidiary of PHILIP SERVICES CORP., RCRA Land Disposal Restriction Notification Form UC

Generator: Williams Alaska Petroleum, Inc. U.S. EPA I.D. #: AKD0008850701 Profile #: 92142-02 Manifest #: NPR36 In accordance with 40 CFR 268.7(a), the underlying hazardous constituents must be addressed in this waste. Per 268.2(i), "underlying hazardous constituent" means any constituent listed in 268.48, Table UTS-Universal Treatment Standard which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. Refer to Form-EZ (attached) for the waste code(s), treatability group, and subcategory applicable to this waste. In order to address underlying hazardous constituents in characteristic wastes, please check the appropriate I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that there are no underlying hazardous constituents reasonably expected to be present in this waste. ☐ I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that underlying hazardous constituents are present in this waste. The underlying hazardous constituents are identified as follows: The determination of underlying hazardous constituents was based on: Generator's knowledge of the waste □ Analysis I certify that I personally have examined and am familiar with the waste through analysis and testing, or through knowledge of the waste to support this certification. I certify that as an authorized representative of the generator named above, all the information submitted in this notification is true and correct to the best of my knowledge.

Burlington Environmental Inc., a wholly owned subsidiary of PHILIP SERVICES CORP., RCRA Land Disposal Restriction Notification Form EZ

Generator: Williams Alaska Petroleum, Inc. U.S. EPA I.D. #: AKD000850701 Profile #: 145851-02 Manifest #: NPR36 The wastes identified on this form are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268.32. Pursuant to 40 CFR 268.7(a), the required information applicable to each waste is identified below (check all boxes that apply): Treatability Group: ☐ Wastewater M Nonwastewater (Wastewaters contain less than 1% filterable solids and less than 1% Total Organic Carbon) □ D001 Ignitable (except for High TOC) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC, unless D001 is the only "D" code and the waste is to be combusted or recovered.) D001 Ignitable (except for High TOC) managed in CWA/ CWA-equivalent/Class I SDWA systems ☐ D001 High TOC Ignitable (greater than 10% total organic carbon) D002 Corrosive managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) □ D002 Corrosive managed in CWA/ CWA-equivalent/Class I SDWA systems ☐ D003 Reactive Sulfides based on 261.23(a)(5) ☐ D003 Reactive Cyanides based on 261.23(a)(5) □ D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in CWA/ CWA-equivalent/Class I SDWA systems D003 Other Reactives based on 261.23(a)(1) (Complete form UC) If D004-43 boxes are checked, complete and attach Form UC to address underlying hazardous constituents (unless these wastes are to be managed in CWA/CWA-equivalent/Class I SDWA systems): □ D005 Barium ☐ D006 Cadmium ☐ D004 Arsenic ☐ D006 Cadmium-containing batteries D008 Lead ☐ D008 Lead acid batteries □ D007 Chromium □ D009 High mercury inorganic (>260 mg/kg total), including incinerator residue and residues from RMERC D009 High-mercury organic (>260 mg/kg total), not including incinerator residue ☐ D009 All D009 wastewaters D009 Low-mercury (<260 mg/kg total) □ D011 Silver D010 Selenium D012 Endrin □ D023 o-Cresol □ D033 Hexachlorobutadiene D013 Lindane □ D024 m-Cresol □ D034 Hexachloroethane D014 Methoxychlor □ D025 p-Cresol □ D035 Methyl ethyl ketone □ D027 p-Dichlorobenzene
□ D028 1,2-Dichloroethane
□ D029 1,1-Dichloroethylene
□ D030 2.4-Divited 1 D015 Toxaphene □ D026 Cresols (Total) □ D036 Nitrobenzene D016 2,4-D □ D037 Pentachlorophenol D017 2,4,5-TP (Silvex) □ D038 Pyridine □ D039 Tetrachloroethylene D018 Benzene □ D030 2,4-Dinitrotoluene□ D040 Trichloroethylene D019 Carbon tetrachloride □ D020 Chlordane □ D031 Heptachlor □ D041 2,4,5-Trichlorophenol □ D032 Hexachlorobenzene □ D042 2,4,6-Trichlorophenol □ D021 Chlorobenzene □ D022 Chloroform □ D043 Vinyl chloride Note: If any bolded entries are checked, form UC must be completed to address underlying hazardous constituents, unless the material is treated in a Clean Water Act (CWA) treatment process or unless otherwise noted above. In addition, the following wastes are included in this shipment: ☐ F001-F005 spent solvents. (If this box is checked, complete the F001-F005 section on the back of this form. Check the hazardous waste number(s) that applies, and identify the constituents likely to be present in the waste.) If this shipment carries additional waste codes that are not addressed above, identify them here: Subcategory (if applicable) EPA Waste Code Subcategory (if applicable) **EPA Waste Code**

This is a two sided form

F001-F005 Spent Solvents





Check the box(es) that applies; identify the individual constituents likely to be present.

Hazardous waste description	Regulated hazardous constitu	uents
☐ F001 Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene	Methylene chloride 1,1,1-Trichloroethane
	Trichloroethylene Trichloromonofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F002 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F003 Spent non-halogenated solv	Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
☐ F004 Spent non-halogenated solv	vents m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
☐ F005 Spent non-halogenated solv	vents Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
solvent nonwastewaters containing or		wastewaters are based on the TCLP and apply to spent ats. The treatment standards for these three constituents aste.
☐ This shipment contains hazardous macroencapsulation or abrasive b		the alternative treatment standards of 268.45 (e.g.,
	treatment." To determine these, look i	3.2. Per 268.45, hazardous debris must be treated up the waste code in 268.40 and list the regulated
The contaminants subject to treatment	for this debris are identified below:	
EPA Waste Code Subcateg	<u>Contaminants subject</u>	to treatment
	and the second s	

Burlington Environmental Inc., a wholly owned subsidiary of PHILIP SERVICES CORP., RCRA Land Disposal Restriction Notification Form UC

U.S. EPA I.D. #: AKD0008850701

Generator: Williams Alaska Petroleum, Inc.

Profile #: 145851-02 Manifest #: NPR36 In accordance with 40 CFR 268.7(a), the underlying hazardous constituents must be addressed in this waste. Per 268.2(i), "underlying hazardous constituent" means any constituent listed in 268.48, Table UTS-Universal Treatment Standard which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. Refer to Form-EZ (attached) for the waste code(s), treatability group, and subcategory applicable to this waste. In order to address underlying hazardous constituents in characteristic wastes, please check the appropriate box: I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that there are no underlying hazardous constituents reasonably expected to be present in this waste. ☐ I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that underlying hazardous constituents are present in this waste. The underlying hazardous constituents are identified as follows: The determination of underlying hazardous constituents was based on: ■ Generator's knowledge of the waste □ Analysis I certify that I personally have examined and am familiar with the waste through analysis and testing, or through knowledge of the waste to support this certification. I certify that as an authorized representative of the generator named above, all the information submitted in this notification is true and correct to the best of my knowledge. Signature

Generator: Williams Alaska Petroleum, Inc. U.S. EPA I.D. #: AKD000850701 Profile #: 52831-05 Manifest #: NPR36 The wastes identified on this form are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268.32. Pursuant to 40 CFR 268.7(a), the required information applicable to each waste is identified below (check all boxes that apply): ☐ Wastewater Treatability Group: Nonwastewater (Wastewaters contain less than 1% filterable solids and less than 1% Total Organic Carbon) □ D001 Ignitable (except for High TOC) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC, unless D001 is the only "D" code and the waste is to be combusted or recovered.) D001 Ignitable (except for High TOC) managed in CWA/ CWA-equivalent/Class I SDWA systems D001 High TOC Ignitable (greater than 10% total organic carbon) D002 Corrosive managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D002 Corrosive managed in CWA/ CWA-equivalent/Class I SDWA systems D003 Reactive Sulfides based on 261.23(a)(5) D003 Reactive Cyanides based on 261.23(a)(5) П □ D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in CWA/ CWA-equivalent/Class I SDWA systems □ D003 Other Reactives based on 261.23(a)(1) (Complete form UC) If D004-43 boxes are checked, complete and attach Form UC to address underlying hazardous constituents (unless these wastes are to be managed in CWA/CWA-equivalent/Class I SDWA systems): D004 Arsenic ☐ D005 Barium ☐ D006 Cadmium □ D006 Cadmium-containing batteries D008 Lead ☐ D008 Lead acid batteries D007 Chromium D009 High mercury inorganic (>260 mg/kg total), including incinerator residue and residues from RMERC □ D009 High-mercury organic (>260 mg/kg total), not including incinerator residue □ D009 Low-mercury (<260 mg/kg total) □ D009 All D009 wastewaters □ D011 Silver □ D010 Selenium □ D012 Endrin □ D023 o-Cresol □ D033 Hexachlorobutadiene □ D013 Lindane □ D024 m-Cresol □ D034 Hexachloroethane □ D035 Methyl ethyl ketone □ D014 Methoxychlor □ D025 p-Cresol D015 Toxaphene ☐ D026 Cresols (Total) □ D036 Nitrobenzene □ D027 p-Dichlorobenzene □ D037 Pentachlorophenol D016 2,4-D □ D028 1,2-Dichloroethane □ D038 Pyridine D017 2,4,5-TP (Silvex) □ D039 Tetrachloroethylene □ D029 1,1-Dichloroethylene D018 Benzene □ D030 2,4-Dinitrotoluene □ D040 Trichloroethylene D019 Carbon tetrachloride □ D031 Heptachlor □ D041 2,4,5-Trichlorophenol D020 Chlordane □ D042 2,4,6-Trichlorophenol D021 Chlorobenzene □ D032 Hexachlorobenzene □ D043 Vinyl chloride D022 Chloroform Note: If any bolded entries are checked, form UC must be completed to address underlying hazardous constituents, unless the material is treated in a Clean Water Act (CWA) treatment process or unless otherwise noted above. In addition, the following wastes are included in this shipment: F001-F005 spent solvents. (If this box is checked, complete the F001-F005 section on the back of this form. Check the hazardous waste number(s) that applies, and identify the constituents likely to be present in the waste.) If this shipment carries additional waste codes that are not addressed above, identify them here: **EPA Waste Code** Subcategory (if applicable) EPA Waste Code Subcategory (if applicable)

Check the box(es) that applies; identify the individual constituents likely to be present. Hazardous waste description Regulated hazardous constituents ☐ F001 Spent halogenated solvents Carbon tetrachloride Methylene chloride used in degreasing Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloromonofluoromethane ☐ F002 Spent halogenated solvents Chlorobenzene o-Dichlorobenzene Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloromonofluoromethane ☐ F003 Spent non-halogenated solvents Acetone n-Butyl alcohol Cyclohexanone* Ethyl acetate Ethyl benzene Ethyl ether Methanol* Methyl isobutyl ketone Xylenes (total) ☐ F004 Spent non-halogenated solvents m-Cresol p-Cresol Cresol-mixed isomers (cresylic acid) Nitrobenzene ☐ F005 Spent non-halogenated solvents Benzene Carbon disulfide* 2-Ethoxyethanol Isobutyl alcohol Methyl ethyl ketone 2-Nitropropane Pyridine Toluene

*The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply to spent solvent nonwastewaters containing only one, two, or all three of these constituents. The treatment standards for these three constituents do not apply when any of the other F001-F005 constituents are present in the waste.

Hazardous Debris

This shipment contains hazardous debris that will be treated to comply with the alternative treatment standards of 268.45 (e.g.,
macroencapsulation or abrasive blasting).

(The definitions of "debris" and "hazardous debris" are in 40 CFR 268.2. Per 268.45, hazardous debris must be treated for each "contaminant subject to treatment." To determine these, look up the waste code in 268.40 and list the regulated hazardous constituents for each code.)

The contaminants subject to treatment for this debris are identified below:

EPA Waste Code	Subcategory	Contaminants subject to treatment	

-	20-30-30		(
	11.11.11.11.11.11.11.11.11.11.11.11.11.		

Generator: Williams Alaska Petroleum, Inc. U.S. EPA I.D. #: AKD0008850701 Profile #: 52831-05 Manifest #: NPR36 In accordance with 40 CFR 268.7(a), the underlying hazardous constituents must be addressed in this waste. Per 268.2(i), "underlying hazardous constituent" means any constituent listed in 268.48, Table UTS-Universal Treatment Standard which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. Refer to Form-EZ (attached) for the waste code(s), treatability group, and subcategory applicable to this waste. In order to address underlying hazardous constituents in characteristic wastes, please check the appropriate box: I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that there are no underlying hazardous constituents reasonably expected to be present in this waste. ☐ I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that underlying hazardous constituents are present in this waste. The underlying hazardous constituents are identified as follows: The determination of underlying hazardous constituents was based on: ■ Generator's knowledge of the waste □ Analysis I certify that I personally have examined and am familiar with the waste through analysis and testing, or through knowledge of the waste to support this certification. I certify that as an authorized representative of the generator named above, all the information submitted in this notification is true and correct to the best of my knowledge. Corey D. Mead

Gen	erator: Williams Alaska Petr	oleum, Inc.		U.S	S. EPA	I.D. #: AKD000850701	
Pro	file #: 45258A-01			Ma	mifest	#: NPR36	
stan	wastes identified on this for idards specified in Part 268, .7(a), the required informatio	Subpart D or do no	t meet the ap	oplicable proh	ibition	levels specified in 268	
		eatability Group: eters contain less than		Wastewater solids and less	s than .	■ Nonwastewate 1% Total Organic Carbo	Til
	D001 Ignitable (except for (Complete form UC, u) D001 Ignitable (except for I) D001 High TOC Ignitable (D002 Corrosive managed in D003 Reactive Sulfides bas D003 Reactive Cyanides bas D003 Water Reactives bas systems (Complete form UC) D003 Water Reactives base D003 Other Reactives base	nless D001 is the only High TOC) managed in greater than 10% total in non-CWA/non-CV in CWA/ CWA-equival ed on 261.23(a)(5) sed on 261.23(a)(5) ed on 261.23(a)(2),(3) c) id on 261.23(a)(2),(3) a	"D" code and CWA/ CWA/ CWA/ CWA/ CWA/ CWA-equivaler cent/Class I SI and (4) managed (4) m	ad the waste is A-equivalent/Con) at/non Class I DWA systems agged in non-G	to be o	combusted or recovered. SDWA systems A systems (Complete for non-CWA-equivalent/n	on Class I SDWA
	004-43 boxes are checked, co naged in CWA/CWA-equivale			lress underlyin	g haza	rdous constituents (unle	ss these wastes are to be
00000000000000	D007 Chromium D009 High mercury inorgan D009 High-mercury organic D009 Low-mercury (<260 D010 Selenium D012 Endrin D013 Lindane D014 Methoxychlor D015 Toxaphene D016 2,4-D D017 2,4,5-TP (Silvex) D018 Benzene D019 Carbon tetrachlorid D020 Chlordane D021 Chlorobenzene D022 Chloroform	C (>260 mg/kg total), rmg/kg total) D011 Silve D023 o-Cr D024 m-C D025 p-Cr D026 Cres D027 p-Di D028 1,2-I D029 1,1-I D031 Hep D032 Hext	□ D009 including includin	ncinerator resi	D033 D034 D035 D036 D037 D038 D039 ichlore D041 D042 D043	Hexachlorobutadiene Hexachloroethane Methyl ethyl ketone Nitrobenzene Pentachlorophenol Pyridine Tetrachloroethylene oethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Vinyl chloride	
Not	e: If any bolded entries are material is treated in a (
In a	ddition, the following wastes	are included in this sl	nipment:				
	F001-F005 spent solvents. (number(s) that applies, and	If this box is checked, identify the constituer	complete the ats likely to be	F001-F005 see present in the	ction o waste.	n the back of this form. ()	Check the hazardous waste
If t	his shipment carries additio	nal waste codes that	are not addr	essed above, i	dentify	y them here:	
	A Waste Code Su	bcategory (if applic	able)	EPA Waste	Code	Subcategory	(if applicable)

Hazardous waste description			Regulated hazardous constitue	<u>nts</u>
	F001	Spent halogenated solvents	Carbon tetrachloride	Methylene chloride
		used in degreasing	Tetrachloroethylene	1,1,1-Trichloroethane
			Trichloroethylene Trichloromonofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethane
	F002	Spent halogenated solvents	Chlorobenzene	o-Dichlorobenzene
		**************************************	Methylene chloride	Tetrachloroethylene
			1,1,1-Trichloroethane	1,1,2-Trichloroethane
			Trichloroethylene	1,1,2-Trichloro-1,2,2-trifluoroethane
			Trichloromonofluoromethane	
	F003	Spent non-halogenated solvents	Acetone	n-Butyl alcohol
			Cyclohexanone*	Ethyl acetate
			Ethyl benzene	Ethyl ether
			Methanol*	Methyl isobutyl ketone
			Xylenes (total)	
	F004	Spent non-halogenated solvents	m-Cresol	o-Cresol
			p-Cresol	Cresol-mixed isomers (cresylic acid)
			Nitrobenzene	
	F005	Spent non-halogenated solvents	Benzene	Carbon disulfide*
		250	2-Ethoxyethanol	Isobutyl alcohol
			Methyl ethyl ketone	2-Nitropropane
			Pyridine	Toluene
			e, cyclohexanone, and methanol nonwa	stewaters are based on the TCLP and apply to sp The treatment standards for these three constitu
so do	o not ap	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris	e, cyclohexanone, and methanol nonwa two, or all three of these constituents. 05 constituents are present in the waste that will be treated to comply with the	The treatment standards for these three constitu
Ha	zardo This s	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris bencapsulation or abrasive blasting)	that will be treated to comply with the	The treatment standards for these three constitute. e. e
Ha (T)	zardo This: macro	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris bencapsulation or abrasive blasting initions of "debris" and "hazar	that will be treated to comply with the dous debris" are in 40 CFR 268.2	The treatment standards for these three constitu e.
Ha (TI for ha:	zardo This s macro he defi ceach	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris beneapsulation or abrasive blasting; initions of "debris" and "hazar" contaminant subject to treatm	that will be treated to comply with the dous debris" are in 40 CFR 268.2 ent." To determine these, look up	The treatment standards for these three constitute. e alternative treatment standards of 268.45 (e.g.,
Haa (TI for haz	zardo This s macro he defit each zardou e contar	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris bencapsulation or abrasive blasting, initions of "debris" and "hazar" contaminant subject to treatmes constituents for each code.)	that will be treated to comply with the dous debris" are in 40 CFR 268.2 ent." To determine these, look up	The treatment standards for these three constitute. e alternative treatment standards of 268.45 (e.g., Per 268.45, hazardous debris must be tre the waste code in 268.40 and list the regul

Generator: Williams Alaska Pe	troleum, Inc.	U.S. EPA I.D. #	: AKD000850701		
Profile #: 45255-05		Manifest #: NPR	140		
The wastes identified on this for standards specified in Part 26 268.7(a), the required informati	8, Subpart D or do not n	neet the applicable	prohibition leve	rt 268. The wastes do not meet the trels specified in 268.32. Pursuant to a sthat apply):	eatment 40 CFR
	reatability Group: vaters contain less than 1%	☐ Wastew 6 filterable solids a		Nonwastewater otal Organic Carbon)	
(Complete form UC, □ D001 Ignitable (except for □ D001 High TOC Ignitable □ D002 Corrosive managed □ D002 Corrosive managed □ D003 Reactive Sulfides ba □ D003 Reactive Cyanides b □ D003 Water Reactives ba systems (Complete form UC)	unless D001 is the only "I High TOC) managed in C (greater than 10% total or in non-CWA/non-CWA in CWA/ CWA-equivalent sed on 261.23(a)(5) ased on 261.23(a)(5) sed on 261.23(a)(2),(3) and IC) ed on 261.23(a)(2),(3) and	D" code and the war CWA/ CWA-equivalent/non Cyclass I SDWA system (4) managed in CV	aste is to be combi dent/Class I SDWA class I SDWA systems non-CWA/non-C	A systems	i.
If D004-43 boxes are checked, of managed in CWA/CWA-equival			erlying hazardous	constituents (unless these wastes are	to be
□ D007 Chromium □ □ D009 High mercury inorgal □ D009 High-mercury organ □ D009 Low-mercury (<260 □ D010 Selenium □ D012 Endrin □ D013 Lindane □ D014 Methoxychlor □ D015 Toxaphene □ D016 2,4-D □ D017 2,4,5-TP (Silvex) □ D018 Benzene □ D019 Carbon tetrachlori □ D020 Chlordane □ D021 Chlorobenzene □ D022 Chloroform	ic (>260 mg/kg total), not mg/kg total) D011 Silver D023 o-Creso D024 m-Creso D025 p-Creso D026 Cresols D027 p-Dichle D028 1,2-Dicl D029 1,1-Dicl de D030 2,4-Din	including incinerate D009 All D00 ol ol (Total) orobenzene hloroethane hloroethylene itrotoluene hlor lorobenzene	cid batteries residue and residue 09 wastewaters D033 Hexa D034 Hexa D035 Meth D036 Nitro D037 Pent: D038 Pyric D039 Tetra D040 Trick D041 2,4,5 D042 2,4,6 D043 Viny	achlorobutadiene achloroethane ayl ethyl ketone obenzene achlorophenol dine achloroethylene -Trichlorophenol I chloride an hazardous constituents, unless th	ıe
In addition, the following waste	s are included in this shipn	nent:			
F001-F005 spent solvents. number(s) that applies, and	(If this box is checked, con l identify the constituents l	nplete the F001-F0 ikely to be present i	05 section on the b in the waste.)	back of this form. Check the hazardous	waste
If this shipment carries addition	onal waste codes that are	not addressed abo	ove, identify them	here:	
EPA Waste Code Su	ubcategory (if applicable	EPA W	Vaste Code	Subcategory (if applicable)	

Ha	zardo	us waste description	Regulated hazardous constit	tuents
	F001	Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
			Trichloromonofluoromethane	
	F002	2 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	F003	Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
	F004	Spent non-halogenated solvents	<i>m</i> -Cresol <i>p</i> -Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
	2000	Spent non-halogenated solvents	Benzene	C
□ *T		7	2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene wastewaters are based on the TCLP and apply to specific
*Ti	he treat olvent no not ap azardo	tment standards for carbon disulfide nonwastewaters containing only one, oply when any of the other F001-F00 ous Debris shipment contains hazardous debris	2-Ethoxyethanol Methyl ethyl ketone Pyridine cyclohexanone, and methanol non two, or all three of these constituents constituents are present in the we	Isobutyl alcohol 2-Nitropropane Toluene wastewaters are based on the TCLP and apply to spents. The treatment standards for these three constituen
+TT see de d	he tream olvent no not ap nzardo This macr he defi each zardou	tment standards for carbon disulfide tonwastewaters containing only one, oply when any of the other F001-F00 ous Debris shipment contains hazardous debris oencapsulation or abrasive blasting).	2-Ethoxyethanol Methyl ethyl ketone Pyridine cyclohexanone, and methanol non two, or all three of these constituents constituents are present in the we that will be treated to comply with the down debris" are in 40 CFR 268 ent." To determine these, look is	Isobutyl alcohol 2-Nitropropane Toluene wastewaters are based on the TCLP and apply to spents. The treatment standards for these three constituents.

Generator: Williams Alaska Petroleum, Inc.	U.S. EPA I.D. #: AKD000850701
Profile #: 45258A-02	Manifest #: NPR40
The wastes identified on this form are subject to the land standards specified in Part 268, Subpart D or do not m 268.7(a), the required information applicable to each waste	disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment neet the applicable prohibition levels specified in 268.32. Pursuant to 40 CFR is identified below (check all boxes that apply):
Treatability Group: (Wastewaters contain less than 1%	☐ Wastewater ■ Nonwastewater i filterable solids and less than 1% Total Organic Carbon)
(Complete form UC, unless D001 is the only "L □ D001 Ignitable (except for High TOC) managed in C □ D001 High TOC Ignitable (greater than 10% total org □ D002 Corrosive managed in non-CWA/non-CWA/ □ D002 Corrosive managed in CWA/ CWA-equivalent □ D003 Reactive Sulfides based on 261.23(a)(5) □ D003 Reactive Cyanides based on 261.23(a)(5) □ D003 Water Reactives based on 261.23(a)(2),(3) are systems (Complete form UC)	ganic carbon) -equivalent/non Class I SDWA systems (Complete form UC) /Class I SDWA systems nd (4) managed in non-CWA/non-CWA-equivalent/non Class I SDWA (4) managed in CWA/ CWA-equivalent/Class I SDWA systems
If D004-43 boxes are checked, complete and attach Form managed in CWA/CWA-equivalent/Class I SDWA systems,	UC to address underlying hazardous constituents (unless these wastes are to be):
□ D009 High-mercury organic (>260 mg/kg total), not □ D009 Low-mercury (<260 mg/kg total)	D009 All D009 wastewaters D1 D033 Hexachlorobutadiene D1 D034 Hexachloroethane D1 D035 Methyl ethyl ketone D1 D036 Nitrobenzene D037 Pentachlorophenol D038 Pyridine D039 Tetrachloroethylene D040 Trichloroethylene D041 2,4,5-Trichlorophenol
In addition, the following wastes are included in this ships □ F001-F005 spent solvents. (If this box is checked, conumber(s) that applies, and identify the constituents	mplete the F001-F005 section on the back of this form. Check the hazardous waste
If this shipment carries additional waste codes that are EPA Waste Code Subcategory (if applicable and applicab	77. 17. 17. 17. 17. 17. 17. 17. 17. 17.
F037	

H 500 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Regulated hazardous constitu-	ents
☐ F001 Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene Trichloromonofluoromethane	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F002 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F003 Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
☐ F004 Spent non-halogenated solvents	<i>m</i> -Cresol <i>p</i> -Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
☐ F005 Spent non-halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
	cyclohexanone, and methanol nonw	vastewaters are based on the TCLP and apply to spent
*The treatment standards for carbon disulfide, solvent nonwastewaters containing only one, do not apply when any of the other F001-F00 Hazardous Debris	two, or all three of these constituent 5 constituents are present in the was	s. The treatment standards for these three constituents
solvent nonwastewaters containing only one, do not apply when any of the other F001-F00 Hazardous Debris	that will be treated to comply with the	s. The treatment standards for these three constituents
solvent nonwastewaters containing only one, do not apply when any of the other F001-F00 Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazardous")	that will be treated to comply with the way debris" are in 40 CFR 268.	s. The treatment standards for these three constituents ste.
solvent nonwastewaters containing only one, do not apply when any of the other F001-F00 Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazard for each "contaminant subject to treatment.	that will be treated to comply with the was debris" are in 40 CFR 268.	s. The treatment standards for these three constituents ste. The alternative treatment standards of 268.45 (e.g., 2. Per 268.45, hazardous debris must be treated.
solvent nonwastewaters containing only one, do not apply when any of the other F001-F00 Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazardous for each "contaminant subject to treatme hazardous constituents for each code.)	that will be treated to comply with the was debris" are in 40 CFR 268.	s. The treatment standards for these three constituents ste. ne alternative treatment standards of 268.45 (e.g., 2. Per 268.45, hazardous debris must be treated p the waste code in 268.40 and list the regulated
solvent nonwastewaters containing only one, do not apply when any of the other F001-F00 Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazardous contaminant subject to treatment hazardous constituents for each code.) The contaminants subject to treatment for this	that will be treated to comply with the was debris are in 40 CFR 268. To determine these, look updebris are identified below:	s. The treatment standards for these three constituents ste. ne alternative treatment standards of 268.45 (e.g., 2. Per 268.45, hazardous debris must be treated p the waste code in 268.40 and list the regulated

Generator: Williams Alaska Petroleur	n, Inc. U.S. EPA I.D.	#: AKD000850701	
Profile #: 145851-03	Manifest #: N	PR40	
	ppart D or do not meet the applica	ble prohibition levels spe	8. The wastes do not meet the treatment ecified in 268.32. Pursuant to 40 CFR apply):
	ility Group: Contain less than 1% filterable solids		Nonwastewater Organic Carbon)
Complete form UC, unless □ D001 Ignitable (except for High □ D001 High TOC Ignitable (great □ D002 Corrosive managed in no □ D002 Corrosive managed in CW □ D003 Reactive Sulfides based or □ D003 Reactive Cyanides based or □ D003 Water Reactives based or systems (Complete form UC) □ D003 Water Reactives based on	* ^~P. 1	waste is to be combusted ivalent/Class I SDWA systems systems in non-CWA/non-CWA	d or recovered.) stems (Complete form UC) A-equivalent/non Class I SDWA
If D004-43 boxes are checked, comple managed in CWA/CWA-equivalent/Cu		nderlying hazardous con	stituents (unless these wastes are to be
D007 Chromium □ D000 □ D009 High mercury inorganic (>2 □ D009 High-mercury organic (>2 □ D009 Low-mercury (<260 mg/l) □ D010 Selenium □ D012 Endrin □ D013 Lindane □ D014 Methoxychlor □ D015 Toxaphene □ D016 2,4-D □ D017 2,4,5-TP (Silvex) □ D018 Benzene □ D019 Carbon tetrachloride □ D020 Chlordane □ D021 Chlorobenzene □ D022 Chloroform	260 mg/kg total), including incinera 60 mg/kg total), not including incine kg total)	d acid batteries tor residue and residues fi rator residue D009 wastewaters D033 Hexachle D035 Methyl e D036 Nitroben D037 Pentachl D038 Pyridine D039 Tetrachl D040 Trichlor D041 2,4,5-Tri D042 2,4,6-Tri D043 Vinyl ch	orobutadiene oroethane ethyl ketone nzene lorophenol oroethylene oethylene ichlorophenol loride
Note: If any bolded entries are che material is treated in a Clean	cked, form UC must be completed n Water Act (CWA) treatment pro		
In addition, the following wastes are i	ncluded in this shipment:		
☐ F001-F005 spent solvents. (If this number(s) that applies, and iden	s box is checked, complete the F001- tify the constituents likely to be press	F005 section on the back ent in the waste.)	k of this form. Check the hazardous waste
If this shipment carries additional v	waste codes that are not addressed	above, identify them he	ere:
EPA Waste Code Subcat	egory (if applicable) EPA	A Waste Code	Subcategory (if applicable)

	ızardoı	is waste description	Regulated hazardous constitu	nents
	F001	Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene Trichloromonofluoromethane	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	F002	Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	F003	Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
	F004	Spent non-halogenated solvents	m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
	F005	Spent non-halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
so do	lvent no not ap	onwastewaters containing only one, ply when any of the other F001-F00 us Debris shipment contains hazardous debris	two, or all three of these constituent 5 constituents are present in the was that will be treated to comply with the	vastewaters are based on the TCLP and apply to specific. The treatment standards for these three constituents. The treatment standards for these three constituents. The alternative treatment standards of 268.45 (e.g.,
		encapsulation or abrasive blasting).		
□ (Th for haz	macro ne defin each ' ardou		lous debris" are in 40 CFR 268. ent." To determine these, look u	.2. Per 268.45, hazardous debris must be tre p the waste code in 268.40 and list the regul

U.S. EPA I.D. #: AKD000850701

Generator: Williams Alaska Petroleum, Inc.

Manifest #: NPR40 Profile #: 145851-03 In accordance with 40 CFR 268.7(a), the underlying hazardous constituents must be addressed in this waste. Per 268.2(i), "underlying hazardous constituent" means any constituent listed in 268.48, Table UTS-Universal Treatment Standard which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. Refer to Form-EZ (attached) for the waste code(s), treatability group, and subcategory applicable to this waste. In order to address underlying hazardous constituents in characteristic wastes, please check the appropriate I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that there are no underlying hazardous constituents reasonably expected to be present in this waste. ☐ I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that underlying hazardous constituents are present in this waste. The underlying hazardous constituents are identified as follows: The determination of underlying hazardous constituents was based on: Generator's knowledge of the waste □ Analysis I certify that I personally have examined and am familiar with the waste through analysis and testing, or through knowledge of the waste to support this certification. I certify that as an authorized representative of the generator named above, all the information submitted in this notification is true and correct to the best of my knowledge.

Generator: Williams Alaska Petrole	um, Inc.	U.S. EPA I.D. #: AK	D000850701		
Profile #: 52831-06		Manifest #: NPR40			
	ibpart D or do not me	et the applicable pro	hibition levels	268. The wastes do not meet the trea specified in 268.32. Pursuant to 40 that apply):	
	bility Group: s contain less than 1% f	☐ Wastewater ilterable solids and le		Nonwastewater tal Organic Carbon)	
systems (Complete form UC) □ D003 Water Reactives based of □ D003 Other Reactives based of	ss D001 is the only "D' h TOC) managed in CW ater than 10% total organon-CWA/non-CWA-e WA/ CWA-equivalent/Con 261.23(a)(5) on 261.23(a)(5) on 261.23(a)(2),(3) and a 261.23(a)(1) (Complete Con 261.23(a)(1) (Comp	" code and the waste of A/CWA-equivalent/ nic carbon) quivalent/non Class Class I SDWA system (4) managed in non 4) managed in CWA/ ete form UC)	is to be combus Class I SDWA I SDWA syste s -CWA/non-CV CWA-equivale	sted or recovered.) systems ems (Complete form UC) WA-equivalent/non Class I SDWA ent/Class I SDWA systems	
If D004-43 boxes are checked, comp managed in CWA/CWA-equivalent/0		C to address underly	ing hazardous o	constituents (unless these wastes are t	o be
□ D007 Chromium □ D009 □ D009 High mercury inorganic (> □ D009 High-mercury organic (> □ D009 Low-mercury (<260 mg	008 Lead >260 mg/kg total), inche 260 mg/kg total), not in /kg total) D011 Silver D023 o-Cresol D024 m-Cresol D025 p-Cresol D026 Cresols (' D027 p-Dichlor D028 1,2-Dichle D029 1,1-Dichle D030 2,4-Dinite D031 Heptachle D032 Hexachlo D032 Hexachlo D032 ecked, form UC must	cluding incinerator re D009 All D009 w Compared to add Compared to add Compared to add Compared to add	atteries due and residue sidue vastewaters D033 Hexad D034 Hexad D035 Methy D036 Nitrol D037 Penta D038 Pyrid D039 Tetra D040 Trich D041 2,4,5- D042 2,4,6- D043 Vinyl	chlorobutadiene chloroethane yl ethyl ketone benzene ichlorophenol ine chloroethylene loroethylene Trichlorophenol chloride	e
In addition, the following wastes are					
☐ F001-F005 spent solvents. (If the number(s) that applies, and ide	nis box is checked, comp ntify the constituents lik	plete the F001-F005 s cely to be present in th	section on the b he waste.)	ack of this form. Check the hazardous	waste
If this shipment carries additional	waste codes that are n	ot addressed above,	identify them	here:	
EPA Waste Code Subca	tegory (if applicable)	EPA Was	te Code	Subcategory (if applicable)	
		-			

Ha	zardou	is waste description	Regulated hazardous constituents	
	F001	Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
			Trichloromonofluoromethane	
	F002	Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	F003	Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
	F004	Spent non-halogenated solvents	m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
	F005	Spent non-halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
* <i>Th</i>	e treati	nent standards for carbon disulfide	cycloheranone and methanol nonwaster	vaters are hased on the TCLP and apply to spex
do	not apport	onwastewaters containing only one, oly when any of the other F001-F00 us Debris hipment contains hazardous debris	that will be treated to comply with the alt	waters are based on the TCLP and apply to spen e treatment standards for these three constituent emative treatment standards of 268.45 (e.g.,
sol do Haz (The	zardou This s macro e defir each '	onwastewaters containing only one, only when any of the other F001-F00 as Debris hipment contains hazardous debris encapsulation or abrasive blasting). hitions of "debris" and "hazard contaminant subject to treatments constituents for each code.)	two, or all three of these constituents. The state of these constituents are present in the waste. That will be treated to comply with the alternative debris are in 40 CFR 268.2. Pent." To determine these, look up the	e treatment standards for these three constituen
Soldo Haz (The for haz	zardou This s macro e defir each '	onwastewaters containing only one, only when any of the other F001-F00 as Debris hipment contains hazardous debris encapsulation or abrasive blasting). hitions of "debris" and "hazard" contaminant subject to treatment of constituents for each code.) hinants subject to treatment for this	two, or all three of these constituents. The state of these constituents are present in the waste. That will be treated to comply with the alternative debris are in 40 CFR 268.2. Pent." To determine these, look up the	e treatment standards for these three constituent emative treatment standards of 268.45 (e.g., er 268.45, hazardous debris must be treate to waste code in 268.40 and list the regulate

Generator: Williams Alaska Petroleum, Inc.

U.S. EPA I.D. #: AKD000850701

	Profile #: 52831-06	Manifest #	: NPR40
	In accordance with 40 CFR 268.7(a), the un 268.2(i), "underlying hazardous constituen Treatment Standard which can reasonably waste, at a concentration above the constitution the waste code(s), treatability group, and	nt" means any constituent listed be expected to be present at the tuent-specific UTS treatment sta	d in 268.48, Table UTS—Universal point of generation of the hazardous ndard. Refer to Form-EZ (attached)
	In order to address underlying hazardous cobox:	onstituents in characteristic wasi	tes, please check the appropriate
	I have reviewed the UTS list of 268. underlying hazardous constituents re	± 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	I have reviewed the UTS list of 268. hazardous constituents are present in identified as follows:		
The	ne determination of underlying hazardous cons	stituents was based on:	
-2	Generator's knowledge of the waste		
	Analysis		
	I certify that I personally have examined and knowledge of the waste to support this certification and above, all the information submitted	fication. I certify that as an author	orized representative of the generator
C Pri	inted Name	Signature	5-1-00 Date

Generator: Williams Alaska	Petroleum, Inc	IIS EPAID	#: AKD000850701		
Profile #: 45257-07	cuoleum, me.	Manifest #: NP			
	268, Subpart D or do not	meet the applicab	le prohibition levels	268. The wastes do not meet specified in 268.32. Pursual that apply):	
(Wasi	Treatability Group: ewaters contain less than 1	☐ Waste % filterable solids		Nonwastewater otal Organic Carbon)	
(Complete form Unit Complete form Complete form	C, unless D001 is the only of	"D" code and the very code and the very code and the very carbon) A-equivalent/non nt/Class I SDWA seand (4) managed in (4) ma	waste is to be combuzalent/Class I SDWA systems In non-CWA/non-C	A systems ems (Complete form UC) EWA-equivalent/non Class I Sent/Class I SDWA systems	
If D004-43 boxes are checked managed in CWA/CWA-equiv			aderlying hazardous	constituents (unless these was	tes are to be
□ D009 High-mercury org □ D009 Low-mercury (<2	□ D011 Silver □ D023 o-Cres □ D024 m-Cre □ D025 p-Cres □ D026 Cresol □ D027 p-Dich □ D028 1,2-Dich □ D029 1,1-Dich □ D030 2,4-Dich □ D031 Heptac □ D032 Hexac	t including inciners D009 All D sol sol sol sol sol clorobenzene chloroethane chloroethylene nitrotoluene chlor hlorobenzene	acid batteries or residue and residue ator residue 009 wastewaters D033 Hexa D034 Hexa D035 Meth D036 Nitro D037 Penta D038 Pyrid D039 Tetra D040 Trich D041 2,4,5- D042 2,4,6- D043 Vinyl	chlorobutadiene chloroethane lyl ethyl ketone benzene achlorophenol line achloroethylene alloroethylene Trichlorophenol I chloride ag hazardous constituents, u	
In addition, the following was	tes are included in this ship	ment:			
number(s) that applies, c	and identify the constituents	likely to be presen	nt in the waste.)	back of this form. Check the ha	izardous waste
If this shipment carries add	tional waste codes that ar	e not addressed a	bove, identify them	here:	
EPA Waste Code K050	Subcategory (if applicab	le) <u>EPA</u>	Waste Code	Subcategory (if applica	ble)
				•	

Hazardous waste description		is waste description	Regulated hazardous const	ituents
	F001	Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
			Trichloromonofluoromethane	
	F002	Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	F003	Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
	F004	Spent non-halogenated solvents	m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
□ *Th	ae treati	Spent non-halogenated solvents ment standards for carbon disulfide	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine , cyclohexanone, and methanol no	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene mwastewaters are based on the TCLP and apply to spe
*Th so do	ne treath lvent no not app zardou	ment standards for carbon disulfide onwastewaters containing only one, ply when any of the other F001-F00 us Debris	2-Ethoxyethanol Methyl ethyl ketone Pyridine , cyclohexanone, and methanol not two, or all three of these constitue 5 constituents are present in the weather that will be treated to comply with	Isobutyl alcohol 2-Nitropropane Toluene mwastewaters are based on the TCLP and apply to spectate. The treatment standards for these three constitue
*The so do do Ha	zardou This s macro me defin each	ment standards for carbon disulfide onwastewaters containing only one, ply when any of the other F001-F00 us Debris shipment contains hazardous debris bencapsulation or abrasive blasting). mitions of "debris" and "hazardous	2-Ethoxyethanol Methyl ethyl ketone Pyridine , cyclohexanone, and methanol not two, or all three of these constitue 55 constituents are present in the weather that will be treated to comply with that will be treated to comply with lous debris" are in 40 CFR 26 ent." To determine these, look	Isobutyl alcohol 2-Nitropropane Toluene nwastewaters are based on the TCLP and apply to spents. The treatment standards for these three constitue waste.

Ger	nerator: Williams Alaska Petroleum, Inc.	U.S. EPA I.D. #: /	: AKD000850701	
Pro	file #: 144027-02	Manifest #: NPR4	40	
stan	wastes identified on this form are subject to the landards specified in Part 268, Subpart D or do no .7(a), the required information applicable to each w	t meet the applicable p	ons of 40 CFR Part 268. The wastes do not meet the treatmet prohibition levels specified in 268.32. Pursuant to 40 Cow (check all boxes that apply):	nen CFI
	Treatability Group: (Wastewaters contain less than	☐ Wastewa	vater Nonwastewater und less than 1% Total Organic Carbon)	
	D001 Ignitable (except for High TOC) manager	59		
	(Complete form UC, unless D001 is the only			
	D001 Ignitable (except for High TOC) managed in			
	D001 High TOC Ignitable (greater than 10% total			
	D002 Corrosive managed in non-CWA/non-CV			
	D002 Corrosive managed in CWA/ CWA-equival	ent/Class I SDWA syste	stems	
	D003 Reactive Sulfides based on 261.23(a)(5)			
	D003 Reactive Cyanides based on 261.23(a)(5)	\ 1 (4\ 1 in	non CWA/non CWA conjugant/non Class I SDWA	
) and (4) managed in n	non-CWA/non-CWA-equivalent/non Class I SDWA	
	systems (Complete form UC) D003 Water Reactives based on 261.23(a)(2),(3) a	and (4) managed in CW	WA/ CWA-equivalent/Class I SDWA systems	
	D003 Other Reactives based on 261.23(a)(1) (C			
_		1995		
			derlying hazardous constituents (unless these wastes are to	be
man	naged in CWA/CWA-equivalent/Class I SDWA syste	ems):		
	D004 Arsenic D005 Barium		um□ D006 Cadmium-containing batteries	
	D007 Chromium D008 Lead	☐ D008 Lead aci		
	D009 High mercury inorganic (>260 mg/kg total),			
	D009 High-mercury organic (>260 mg/kg total), r			
	D009 Low-mercury (<260 mg/kg total) D010 Selenium D011 Silve	□ D009 All D009	uy wastewaters	
	D010 Selenium ☐ D011 Silve D012 Endrin ☐ D023 <i>o</i> -Cr		□ D033 Hexachlorobutadiene	
	D013 Lindane □ D024 m-C		□ D034 Hexachloroethane	
	D014 Methoxychlor □ D025 p-Cr		□ D035 Methyl ethyl ketone	
	D015 Toxaphene □ D026 Cres		□ D036 Nitrobenzene	
	D016 2,4-D □ D027 p-Di	chlorobenzene	□ D037 Pentachlorophenol	
	- 항상: [1917] - 한경화 : [1917] - 한경화 : [1917] - 한경화 : [1917] - [1917]	Dichloroethane	□ D038 Pyridine	
5.50	THE TRANSPORT OF THE PROPERTY	Dichloroethylene	□ D039 Tetrachloroethylene	
	D019 Carbon tetrachloride D030 2,4-I		□ D040 Trichloroethylene	
	D020 Chlordane D031 Hept		D041 2,4,5-Trichlorophenol	
	D021 Chlorobenzene D032 Hexa	achlorobenzene	☐ D042 2,4,6-Trichlorophenol☐ D043 Vinyl chloride	
ш	D022 Chlorotoriii		in Do45 vinyremoriae	
Note	e: If any bolded entries are checked, form UC r	nust be completed to a	address underlying hazardous constituents, unless the	
	material is treated in a Clean Water Act (CV	VA) treatment process	ss or unless otherwise noted above.	
In a	ddition, the following wastes are included in this sh	ipment:		
	F001-F005 spent solvents. (If this box is checked.	complete the F001-F00	005 section on the back of this form. Check the hazardous w	vas
_	number(s) that applies, and identify the constituen	its likely to be present ii	in the waste.)	
If th	nis shipment carries additional waste codes that	are not addressed abo	oove, identify them here:	
	E - MATTER CONT. WEST - SE CONTRACTO			
EP/	A Waste Code Subcategory (if applications)	able) <u>EPA W</u>	Waste Code Subcategory (if applicable)	
	(
			8 	
_	1			

T FOOL Count halos and a locate	Regulated hazardous constitue	ents ents
☐ F001 Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	Trichloromonofluoromethane	(90)
☐ F002 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	Trichloromonofluoromethane	
☐ F003 Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
☐ F004 Spent non-halogenated solvents	m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
☐ F005 Spent non-halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
*The treatment standards for carbon disulfide,	two, or all three of these constituents	astewaters are based on the TCLP and apply to spent . The treatment standards for these three constituents
do not apply when any of the other F001-F00	5 constituents are present in the was	te.
do not apply when any of the other F001-F00 Hazardous Debris		
do not apply when any of the other F001-F00 Hazardous Debris	that will be treated to comply with the	e alternative treatment standards of 268.45 (e.g.,
do not apply when any of the other F001-F00 Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazard for each "contaminant subject to treatments.	that will be treated to comply with the	
do not apply when any of the other F001-F00 Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazard for each "contaminant subject to treatme hazardous constituents for each code.)	that will be treated to comply with the lous debris" are in 40 CFR 268.2 ant." To determine these, look up	e alternative treatment standards of 268.45 (e.g., 2. Per 268.45, hazardous debris must be treated
do not apply when any of the other F001-F00 Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazardous"	that will be treated to comply with the lous debris" are in 40 CFR 268.2 ant." To determine these, look up	e alternative treatment standards of 268.45 (e.g., 2. Per 268.45, hazardous debris must be treated the waste code in 268.40 and list the regulated
Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazard for each "contaminant subject to treatment hazardous constituents for each code.) The contaminants subject to treatment for this	that will be treated to comply with the lous debris" are in 40 CFR 268.2 ent." To determine these, look up	e alternative treatment standards of 268.45 (e.g., 2. Per 268.45, hazardous debris must be treated the waste code in 268.40 and list the regulated
Hazardous Debris This shipment contains hazardous debris macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazard for each "contaminant subject to treatment hazardous constituents for each code.) The contaminants subject to treatment for this	that will be treated to comply with the lous debris" are in 40 CFR 268.2 ent." To determine these, look up	e alternative treatment standards of 268.45 (e.g., 2. Per 268.45, hazardous debris must be treated the waste code in 268.40 and list the regulated

U.S. EPA I.D. #: AKD000850701

Generator: Williams Alaska Petroleum, Inc.

	Profile #: 144027-02	Manifest #: NPR	40
	In accordance with 40 CFR 268.7(a), the 268.2(i), "underlying hazardous constituted Treatment Standard which can reasonable waste, at a concentration above the constorthe waste code(s), treatability group, a	uent" means any constituent listed in 26 ly be expected to be present at the point of stituent-specific UTS treatment standard.	58.48, Table UTS—Universa of generation of the hazardou.
	In order to address underlying hazardous box:	constituents in characteristic wastes, plea	ase check the appropriate
	I have reviewed the UTS list of 26 underlying hazardous constituents	57/1 M 10 10 10 10 10 10 10 10 10 10 10 10 10	
	I have reviewed the UTS list of 268 hazardous constituents are present identified as follows:		
	8		
The	e determination of underlying hazardous co	onstituents was based on:	
	Generator's knowledge of the waste	e	
	Analysis		
	I certify that I personally have examined a knowledge of the waste to support this cen named above, all the information submitted	rtification. I certify that as an authorized r	representative of the generator
	nted Name	Signature	5-1-00 Date

Ger	nerator: Williams Alaska Petroleum	, Inc. U.S. EPA I.	D. #: AKD000850701	
Pro	file #: 92142-03	Manifest #:	NPR40	
stan	wastes identified on this form are identified in Part 268, Subp .7(a), the required information appl	art D or do not meet the appli	cable prohibition levels	268. The wastes do not meet the treatmer specified in 268.32. Pursuant to 40 CF hat apply):
		ity Group: Uwontain less than 1% filterable sol		Nonwastewater val Organic Carbon)
0 0000000 00	D001 Ignitable (except for High T D001 High TOC Ignitable (greater D002 Corrosive managed in non D002 Corrosive managed in CWA D003 Reactive Sulfides based on D003 Reactive Cyanides based on	D001 is the only "D" code and to COC) managed in CWA/ CWA-er than 10% total organic carbon) a-CWA/non-CWA-equivalent/nd/ CWA-equivalent/Class I SDW 261.23(a)(5) 261.23(a)(5) 261.23(a)(2),(3) and (4) managed 61.23(a)(2),(3) and (4) managed	the waste is to be combus quivalent/Class I SDWA on Class I SDWA syste A systems ed in non-CWA/non-CV in CWA/ CWA-equivale	sted or recovered.) systems sms (Complete form UC) WA-equivalent/non Class I SDWA
	004-43 boxes are checked, complet naged in CWA/CWA-equivalent/Cla		s underlying hazardous o	constituents (unless these wastes are to be
	D004 Arsenic □ D008 D007 Chromium ■ D008 D009 High mercury inorganic (>2 D009 High-mercury organic (>26) D009 Low-mercury (<260 mg/kg D010 Selenium D012 Endrin D013 Lindane D014 Methoxychlor D015 Toxaphene D016 2,4-D D017 2,4,5-TP (Silvex) D018 Benzene D019 Carbon tetrachloride D020 Chlordane D021 Chlorobenzene D022 Chloroform e: If any bolded entries are chec material is treated in a Clean	Lead D008 L. 60 mg/kg total), including incine 0 mg/kg total), not including incine 0 mg/kg total) D009 A 1 D011 Silver 1 D023 o-Cresol 1 D024 m-Cresol 1 D025 p-Cresol 1 D026 Cresols (Total) 1 D027 p-Dichlorobenzene 1 D028 1,2-Dichloroethane 1 D029 1,1-Dichloroethylene 1 D030 2,4-Dinitrotoluene 1 D031 Heptachlor 1 D032 Hexachlorobenzene	acid batteries crator residue and residue nerator residue ll D009 wastewaters D033 Hexad D034 Hexad D035 Meth D036 Nitrol D037 Penta D038 Pyrid D039 Tetra D040 Trich D041 2,4,5- D042 2,4,6- D043 Vinyl ed to address underlying	chlorobutadiene chloroethane yl ethyl ketone benzene chlorophenol ine chloroethylene loroethylene Trichlorophenol Trichlorophenol chloride
<u>In a</u>	ddition, the following wastes are in	cluded in this shipment:		
	F001-F005 spent solvents. (If this number(s) that applies, and identified	box is checked, complete the F0 fy the constituents likely to be pr	01-F005 section on the besent in the waste.)	eack of this form. Check the hazardous was
If th	nis shipment carries additional w	aste codes that are not address	ed above, identify them	here:
EP/	A Waste Code Subcate	gory (if applicable) <u>E</u>	PA Waste Code	Subcategory (if applicable)

Hazardous waste description	Regulated hazardous constitu	ents
☐ F001 Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene Trichloromonofluoromethane	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F002 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F003 Spent non-halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
☐ F004 Spent non-halogenated solvents	m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
☐ F005 Spent non-halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
*The treatment standards for carbon disulfide solvent nonwastewaters containing only one, do not apply when any of the other F001-F00 Hazardous Debris	two, or all three of these constituent.	astewaters are based on the TCLP and apply to spent s. The treatment standards for these three constituents te.
 This shipment contains hazardous debris macroencapsulation or abrasive blasting) 	that will be treated to comply with the	e alternative treatment standards of 268.45 (e.g.,
(The definitions of "debris" and "hazard for each "contaminant subject to treatmo hazardous constituents for each code.)	lous debris" are in 40 CFR 268. ent." To determine these, look u	2. Per 268.45, hazardous debris must be treated to the waste code in 268.40 and list the regulated
The contaminants subject to treatment for this	debris are identified below:	
EPA Waste Code Subcategory	Contaminants subject t	o treatment

U.S. EPA I.D. #: AKD000850701

Generator: Williams Alaska Petroleum, Inc.

	Profile #: 92142-03	ſ	Manifest #: NPR40	
	In accordance with 40 CFR 268.7(a), the a 268.2(i), "underlying hazardous constitue Treatment Standard which can reasonably waste, at a concentration above the const for the waste code(s), treatability group, a	ent" means any cons y be expected to be pr tituent-specific UTS t	stituent listed in 268.48 resent at the point of ge reatment standard. Refe	8, Table UTS—Universal neration of the hazardous
	In order to address underlying hazardous box:	constituents in charac	cteristic wastes, please o	check the appropriate
	I have reviewed the UTS list of 268 underlying hazardous constituents r	-	3 F.7	
	I have reviewed the UTS list of 268 hazardous constituents are present i identified as follows:		St. 535	
	W.V			
				7)
The	determination of underlying hazardous cor	nstituents was based o	on:	
	Generator's knowledge of the waste			8
	Analysis	e w		
	I certify that I personally have examined at knowledge of the waste to support this cert named above, all the information submitted	tification. I certify that	nt as an authorized repre	sentative of the generator
(Pri	CreyD. Meg of	Signature	and	5-1-00 Date

Generator: Williams Alaska Petroleum	, Inc.	U.S. EPA I.D. #: AKD0	00850701	
Profile #: 149366-01	1	Manifest #: NPR40		
The wastes identified on this form are standards specified in Part 268, Subj 268.7(a), the required information app	part D or do not med	et the applicable prohib	pition levels specified	d in 268.32. Pursuant to 40 CFI
	lity Group: contain less than 1% fi	☐ Wastewater ilterable solids and less	The state of the s	astewater nic Carbon)
□ D001 Ignitable (except for High (Complete form UC, unless) □ D001 Ignitable (except for High To D001 High To Ignitable (greate) □ D002 Corrosive managed in nor D002 Corrosive managed in CW/(D003 Reactive Sulfides based on D003 Reactive Cyanides based on D003 Water Reactives based on systems (Complete form UC) □ D003 Water Reactives based on D003 Other Reactives D0	D001 is the only "D" FOC) managed in CW or than 10% total organ n-CWA/non-CWA-ec A/ CWA-equivalent/C 261.23(a)(5) n 261.23(a)(5) 261.23(a)(2),(3) and 261.23(a)(1) (Completed)	code and the waste is to A/CWA-equivalent/Clanic carbon) quivalent/non Class I Sclass I SDWA systems (4) managed in non-Class I SDWA cycle form UC)	to be combusted or re ass I SDWA systems SDWA systems (Com SWA/non-CWA-equi	ivalent/non Class I SDWA
If D004-43 boxes are checked, comple managed in CWA/CWA-equivalent/Cla		C to address underlying	hazardous constitue	nts (unless these wastes are to be
□ D007 Chromium □ D008 □ D009 High mercury inorganic (>26 □ D009 High-mercury organic (>26 □ D009 Low-mercury (<260 mg/k) □ D010 Selenium □ D012 Endrin □ D013 Lindane □ D014 Methoxychlor □ D015 Toxaphene □ D016 2,4-D □ D017 2,4,5-TP (Silvex) □ D018 Benzene □ D019 Carbon tetrachloride □ D020 Chlordane □ D021 Chlorobenzene □ D022 Chloroform Note: If any bolded entries are checked material is treated in a Clean	8 Lead 260 mg/kg total), include 100 mg/kg total), not include 100 mg/kg total), not include 100 mg/kg total) D011 Silver D023 o-Cresol D024 m-Cresol D025 p-Cresol D026 Cresols (7 D027 p-Dichlor D028 1,2-Dichlor D029 1,1-Dichlor D030 2,4-Diniti D031 Heptachlor D032 Hexachlor cked, form UC must	cluding incinerator resided D009 All D009 was D009 All D009 was D009 all D009 was D0	teries e and residues from R due tewaters D033 Hexachlorobu D034 Hexachloroett D035 Methyl ethyl l D036 Nitrobenzene D037 Pentachloropl D038 Pyridine D039 Tetrachloroett D040 Trichloroetty D041 2,4,5-Trichlor D042 2,4,6-Trichlor D043 Vinyl chloride	atadiene nane ketone nenol hylene lene ophenol ophenol e dous constituents, unless the
In addition, the following wastes are in F001-F005 spent solvents. (If this number(s) that applies, and ident	box is checked, comp	olete the F001-F005 sec	tion on the back of th waste.)	is form. Check the hazardous was
If this shipment carries additional w	aste codes that are n	ot addressed above, id	lentify them here:	
EPA Waste Code K050 Subcate	egory (if applicable)	EPA Waste	Code Subo	category (if applicable)

-	zardou	is waste description	Regulated hazardous constitu	<u>ents</u>
	F001	Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
			Trichloromonofluoromethane	
	F002	Spent halogenated solvents	Chlorobenzene	o-Dichlorobenzene
			Methylene chloride	Tetrachloroethylene
			1,1,1-Trichloroethane	1,1,2-Trichloroethane
			Trichloroethylene	1,1,2-Trichloro-1,2,2-trifluoroethane
			Trichloromonofluoromethane	
	F003	Spent non-halogenated solvents	Acetone	n-Butyl alcohol
			Cyclohexanone*	Ethyl acetate
			Ethyl benzene	Ethyl ether
			Methanol*	Methyl isobutyl ketone
			Xylenes (total)	
	F004	Spent non-halogenated solvents	m-Cresol	o-Cresol
	8.5.5.5	1000	p-Cresol	Cresol-mixed isomers (cresylic acid)
			Nitrobenzene	9 TO 2004 (SEA 11 10 YOU SHEEK HOUSE) (10 YOU SHEEK HOUSE) (10 YOU SHEEK HOUSE) (10 YOU SHEEK HOUSE)
	F005	Spent non-halogenated solvents	Benzene	Carbon disulfide*
			2-Ethoxyethanol	Isobutyl alcohol
			Methyl ethyl ketone	2-Nitropropane
			Memyr emyr ketone	z-ivitiopropane
*T!	ne treat	ment standards for carbon disulfid	Pyridine	Toluene
so	lvent no not ap	onwastewaters containing only one	Pyridine e, cyclohexanone, and methanol nonw	Tolucne vastewaters are based on the TCLP and apply to spen ts. The treatment standards for these three constituent
so	vent no not ap	onwastewaters containing only one pply when any of the other F001-F0	Pyridine e, cyclohexanone, and methanol nonwe, two, or all three of these constituents 105 constituents are present in the was s that will be treated to comply with the	Tolucne vastewaters are based on the TCLP and apply to spen ts. The treatment standards for these three constituent
Ha (The for that	zardo This s macro e defice each	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris bencapsulation or abrasive blasting initions of "debris" and "hazar" contaminant subject to treath is constituents for each code.)	Pyridine e, cyclohexanone, and methanol nonwe, two, or all three of these constituents 105 constituents are present in the was s that will be treated to comply with the characters are in 40 CFR 268. ment." To determine these, look up	Toluene wastewaters are based on the TCLP and apply to spen is. The treatment standards for these three constituent ste. The alternative treatment standards of 268.45 (e.g., a.g., per 268.45, hazardous debris must be treate
Ha (The	zardo This s macro ne defineach	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris bencapsulation or abrasive blasting initions of "debris" and "hazar" contaminant subject to treatment so constituents for each code.) minants subject to treatment for this	Pyridine e, cyclohexanone, and methanol nonwe, two, or all three of these constituents of constituents are present in the was stated will be treated to comply with the constituents are in 40 CFR 268. In the constituents are in 40 CFR 268.	Toluene vastewaters are based on the TCLP and apply to spen is. The treatment standards for these three constituent ste. The alternative treatment standards of 268.45 (e.g., a.g., p. 1.2. Per 268.45, hazardous debris must be treater p the waste code in 268.40 and list the regulater
Ha (The	zardo This s macro ne defineach	onwastewaters containing only one oply when any of the other F001-F0 us Debris shipment contains hazardous debris bencapsulation or abrasive blasting initions of "debris" and "hazar" contaminant subject to treath is constituents for each code.)	Pyridine e, cyclohexanone, and methanol nonwe, two, or all three of these constituents 105 constituents are present in the was s that will be treated to comply with the characters are in 40 CFR 268. ment." To determine these, look up	Toluene vastewaters are based on the TCLP and apply to spen is. The treatment standards for these three constituent ste. The alternative treatment standards of 268.45 (e.g.,

U.S. EPA I.D. #: AKD000850701 Generator: Williams Alaska Petrolsum Inc

Pn	ofile #: 159509-00			Manifest	#: NPR38	
sta		ubpart D or do not m	eet the applicable	prohibition	R Part 268. The wastes do not meet to levels specified in 268.32. Pursuant boxes that apply):	
	Treata	bility Group:	☐ Wastewa	ter	Nonwastewater	
	(Wastewater	s contain less than 1%	filterable solids an	d less than	1% Total Organic Carbon)	
	(Complete form UC, unle	ss D001 is the only "D	" code and the was	te is to be		
				ent/Class I	SDWA systems	
	D001 High TOC Ignitable (gre			ARE Y STOWN	A systems (Complete form UC)	
	D002 Corrosive managed in C				A systems (Congress John CC)	
	D003 Reactive Sulfides based					
	D003 Reactive Cyanides based	on 261.23(a)(5)				
	D003 Water Reactives based	on 261.23(a)(2),(3) an	d (4) managed in r	ion-CWA/	non-CWA-equivalent/non Class I SI	AWC
_	systems (Complete form UC)				(I)	
				A/ CWA-6	quivalent/Class I SDWA systems	
	D003 Other Reactives based	on 261.23(a)(1) (Comp	lete Jorm UC)			
	0004-43 boxes are checked, comp naged in CWA/CWA-equivalent/			rlying haza	rdous constituents (unless these waste	s are to be
	D004 Arsenic D0	05 Barium	☐ D006 Cadmin	m	☐ D006 Cadmium-containing batter	ies
		08 Lead	D008 Lead aci		2.252 - 1.252 (2.1) - 1241 - 1245 (2.1) (2.1) (2.1) (2.1)	
	D009 High mercury inorganic (>260 mg/kg total), inc	luding incinerator r	esidue and	residues from RMERC	
	D009 High-mercury organic (>				232	
	D009 Low-mercury (<260 mg D010 Selenium	/kg total) D011 Silver	□ D009 All D009	MARRIAN	ets	
	D012 Endrin	D023 o-Cresol		□ D033	Hexachlorobutadione	
ō	D013 Lindane	D024 m-Creso			Hexachloroethane	
	D014 Methoxychlor	□ D025 p-Cresol		□ D035	Methyl ethyl ketone	
	D015 Toxaphene	D026 Cresols (Nitrobenzene	
	D016 2,4-D	□ D027 p-Dichlo			Pentachlorophenol	
	D017 2,4,5-TP (Silvex)	☐ D028 1,2-Dich		□ D038		
	D018 Benzene D019 Carbon tetrachloride	☐ D029 1,1-Dichi ☐ D030 2,4-Dinit			Tetrachlorosthylene Trichlorosthylene	
	D020 Chlordane	D031 Heptach			2,4,5-Trichlorophenol	
	D021 Chlorobenzene	☐ D032 Hexachie			2,4,6-Trichlorophenol	
	D022 Chloroform				Vinyl chloride	
Not	g: If any bolded entries are ch material is treated in a Cles	ecked, form UC must	be completed to a	ddress und	derlying hazardous constituents, unl	ess the
	massini in disease in a second					
In a	ddition, the following wastes are	included in this shipme	ent:			
	F001-F005 spent solvents. (If the number(s) that applies, and iden	is box is checked, comp ntify the constituents lil	plete the F001-F00 kely to be present in	5 section of the waste.	n the back of this form. Check the haze)	ırdous wastı
If th	nis shipment carries additional	waste codes that are r	not addressed abov	ve, identify	them here:	
EP/	A Waste Code Subca	tegory (if applicable)	EPA W	aste Code	Subcategory (if applicable	le)
-				-		- ×
-			-	-		-
			_		-	_

Form EZ Revised 10/28/98

This is a two sided form

Hazardous waste description		Regulated hazardous const	<u>tuents</u>
F001 Spent halo used in de		Carbon tetrachloride Tetrachloroethylene	Methylene chloride 1,1,1-Trichloroethane
		Trichloroethylene Trichloromonofluoromethane	1,1,2-Trichloro-1,2,2-trifluorocthane
☐ F002 Spent halo	genated solvents	Chlorobenzens Methylene chloride I,I,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F003 Spent non-	halogenated solvents	Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
☐ F004 Spent non-	halogenated solvents	m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
☐ F005 Spent non-	halogenated solvents	Benzene 2-Ethoxyethanol Methyl ethyl ketone	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
		Pyridine	Loinene
solvent nonwastewate do not apply when an Hazardous Debris This shipment con	ers containing only one, ny of the other F001-F00. ntains hazardous debris t	cyclohexanone, and methanol not two, or all three of these constitue 5 constituents are present in the w	nwastewaters are based on the TCLP and apply to sper nts. The treatment standards for these three constituen
solvent nonwastewate do not apply when an Hazardous Debris This shipment cor macroencapsulation	ers containing only one, by of the other F001-F00. Intains hazardous debris to on or abrasive blasting).	cyclohexanone, and methanol not two, or all three of these constitue 5 constituents are present in the w	nwastewaters are based on the TCLP and apply to spents. The treatment standards for these three constituent easte. the alternative treatment standards of 268.45 (e.g.,
solvent nonwastewate do not apply when an Hazardous Debris This shipment commacroencapsulate (The definitions of for each "contamina hazardous constitue	ers containing only one, by of the other F001-F00. Intains hazardous debris to on or abrasive blasting). "debris" and "hazard ant subject to treatments for each code,)	cyclohexanone, and methanol not two, or all three of these constitue 5 constituents are present in the w hat will be treated to comply with ous debris" are in 40 CFR 26 nt." To determine these, look	nwastewaters are based on the TCLP and apply to spen nts. The treatment standards for these three constituen taste. the alternative treatment standards of 268.45 (e.g., 8.2. Per 268.45, hazardous debris must be treate
solvent nonwastewate do not apply when an Hazardous Debris This shipment commacroencapsulate (The definitions of for each "contamina hazardous constitue	ers containing only one, by of the other F001-F00. Intains hazardous debris to on or abrasive blasting). "debris" and "hazard ant subject to treatments for each code,)	cyclohexanone, and methanol not two, or all three of these constitue 5 constituents are present in the w hat will be treated to comply with ous debris" are in 40 CFR 26	nwastewaters are based on the TCLP and apply to spen nts. The treatment standards for these three constituen vaste

Form EZ Revised 10/28/98

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This is a two sided form

Generator: WILLIAMS ALASKA PETROLEUM INC U.S. EPA I.D. #: AKD000850701 Profile #: 45258-07 Manifest #: NPR38 The wastes identified on this form are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment standards specified in Part 268, Subpart D or do not meet the applicable prohibition levels specified in 268.32. Pursuant to 40 CFR 268.7(a), the required information applicable to each waste is identified below (check all boxes that apply): □ Wastewater Treatability Group: (Wastewaters contain less than 1% filterable solids and less than 1% Total Organic Carbon) □ D001 Ignitable (except for High TOC) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC, unless D001 is the only "D" code and the waste is to be combusted or recovered.) □ D001 Ignitable (except for High TOC) managed in CWA/ CWA-equivalent/Class I SDWA systems D001 High TOC Ignitable (greater than 10% total organic carbon) D002 Corrosive managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) □ D002 Corrosive managed in CWA/ CWA-equivalent/Class I SDWA systems □ D003 Reactive Sulfides based on 261.23(a)(5) ☐ D003 Reactive Cyanides based on 261.23(a)(5) □ D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in non-CWA/non-CWA-equivalent/non Class I SDWA systems (Complete form UC) D003 Water Reactives based on 261.23(a)(2),(3) and (4) managed in CWA/ CWA-equivalent/Class I SDWA systems D003 Other Reactives based on 261.23(a)(1) (Complete form UC) If D004-43 boxes are checked, complete and attach Form UC to address underlying hazardous constituents (unless these wastes are to be managed in CWA/CWA-equivalent/Class I SDWA systems): □ D005 Barium D004 Arsenic ☐ D006 Cadmium ☐ D006 Cadmium-containing batteries D007 Chromium D008 Lead □ D008 Lead acid batteries D009 High mercury inorganic (>260 mg/kg total), including incinerator residue and residues from RMERC D009 High-mercury organic (>260 mg/kg total), not including incinerator residue D009 Low-mercury (<260 mg/kg total) ☐ D009 All D009 wastewaters D010 Selenium □ D011 Silver D012 Endrin □ D023 o-Cresol □ D033 Hexachlorobutadiene □ D024 m-Cresol □ D034 Hexachloroethane D013 Lindane D014 Methoxychlor □ D025 p-Cresol □ D035 Methyl ethyl ketone □ D025 p-Cresol
 □ D026 Cresols (Total)
 □ D027 p-Dichlorobenzene
 □ D028 1,2-Dichloroethane D015 Toxaphene □ D036 Nitrobenzene □ D037 Pentachlorophenol D016 2,4-D □ D017 2,4,5-TP (Silvex) □ D038 Pyridine D018 Benzene □ D029 1,1-Dichloroethylene □ D039 Tetrachloroethylene D019 Carbon tetrachloride D030 2,4-Dinitrotoluene □ D040 Trichloroethylene □ D020 Chlordane □ D031 Heptachlor □ D041 2,4,5-Trichlorophenol □ D021 Chlorobenzene □ D032 Hexachlorobenzene □ D042 2,4,6-Trichlorophenol □ D043 Vinyl chloride D022 Chloroform Note: If any bolded entries are checked, form UC must be completed to address underlying hazardous constituents, unless the material is treated in a Clean Water Act (CWA) treatment process or unless otherwise noted above. In addition, the following wastes are included in this shipment: F001-F005 spent solvents. (If this box is checked, complete the F001-F005 section on the back of this form. Check the hazardous waste number(s) that applies, and identify the constituents likely to be present in the waste.) If this shipment carries additional waste codes that are not addressed above, identify them here: EPA Waste Code Subcategory (if applicable) **EPA Waste Code** Subcategory (if applicable)

Check the box(es) that applies; identify the individual constituents likely to be present.

Hazardous waste description	Regulated hazardous constitue	ents
☐ F001 Spent halogenated solvents used in degreasing	Carbon tetrachloride Tetrachloroethylene Trichloroethylene	Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
	Trichloromonofluoromethane	1,1,2-11tellio10-1,2,2-ti11tu010ctifalic
☐ F002 Spent halogenated solvents	Chlorobenzene Methylene chloride 1,1,1-Trichloroethane Trichloroethylene Trichloromonofluoromethane	o-Dichlorobenzene Tetrachloroethylene 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane
☐ F003 Spent non-halogenated solve	ents Acetone Cyclohexanone* Ethyl benzene Methanol* Xylenes (total)	n-Butyl alcohol Ethyl acetate Ethyl ether Methyl isobutyl ketone
☐ F004 Spent non-halogenated solve	ents m-Cresol p-Cresol Nitrobenzene	o-Cresol Cresol-mixed isomers (cresylic acid)
☐ F005 Spent non-halogenated solve	ents Benzene 2-Ethoxyethanol Methyl ethyl ketone Pyridine	Carbon disulfide* Isobutyl alcohol 2-Nitropropane Toluene
solvent nonwastewaters containing onl		astewaters are based on the TCLP and apply to spent s. The treatment standards for these three constituents te.
Hazardous Debris		
☐ This shipment contains hazardous of macroencapsulation or abrasive bla		e alternative treatment standards of 268.45 (e.g.,
	eatment." To determine these, look up	2. Per 268.45, hazardous debris must be treated of the waste code in 268.40 and list the regulated
The contaminants subject to treatment for	or this debris are identified below:	
EPA Waste Code Subcatego	ry Contaminants subject to	o treatment

Generator: WILLIAMS ALASKA PETROLEUM INC

U.S. EPA I.D. #: AKD000850701

Profile #: 52831-05

Manifest #: NPR38

The wastes identified on this form are subject to the land disposal restrictions of 40 CFR Part 268. The wastes do not meet the treatment

		68, Subpart D or do not ation applicable to each was			Is specified in 268.32. Pursuant to 40 s that apply):	CFR
		Treatability Group: waters contain less than 1	☐ Wastev % filterable solids &		Nonwastewater otal Organic Carbon)	
0 0000000 00	(Complete form UC D001 Ignitable (except for D001 High TOC Ignitable) D002 Corrosive managed D002 Corrosive managed D003 Reactive Sulfides be D003 Reactive Cyanides D003 Water Reactives be systems (Complete form D003 Water Reactives be	c, unless D001 is the only of this TOC) managed in the (greater than 10% total of the din non-CWA/non-CWA din CWA/ CWA-equivaler passed on 261.23(a)(5) based on 261.23(a)(5) passed on 261.23(a)(2),(3) and UC)	D" code and the week CWA/ CWA-equiverganic carbon) A-equivalent/non (at/Class I SDWA syund (4) managed in C	aste is to be combinatent/Class I SDWA systems		
		, complete and attach Forn alent/Class I SDWA system		derlying hazardous	s constituents (unless these wastes are to	be
	D007 Chromium D009 High mercury inorg D009 High-mercury orga D009 Low-mercury (<20 D010 Selenium D012 Endrin D013 Lindane D014 Methoxychlor D015 Toxaphene D016 2,4-D D017 2,4,5-TP (Silvex) D018 Benzene D019 Carbon tetrachlor D020 Chlordane D021 Chlorobenzene D022 Chloroform	□ D011 Silver □ D023 o-Cres □ D024 m-Cre □ D025 p-Cres □ D026 Cresol □ D027 p-Dich □ D028 1,2-Dic □ D029 1,1-Dic □ D030 2,4-Dir □ D031 Heptac □ D032 Hexacl	including incinera D009 All D0 ol sol ol so(Total) lorobenzene chloroethane chloroethylene nitrotoluene chlor hlorobenzene	D033 Hext D034 Hext D035 Met D036 Nitr D038 Pyri D039 Tetr D040 Tric D041 2,4,5 D043 Viny	achlorobutadiene achloroethane hyl ethyl ketone obenzene tachlorophenol idine rachloroethylene 5-Trichlorophenol yl chloride ing hazardous constituents, unless the)
In ac	ddition, the following wast	tes are included in this ship	ment:			
	F001-F005 spent solvents number(s) that applies, an	s. (If this box is checked, conditional constituents)	mplete the F001-F likely to be present	005 section on the in the waste.)	back of this form. Check the hazardous	wasti
If th	is shipment carries addi	tional waste codes that ar	e not addressed al	ove, identify the	m here:	
EPA	A Waste Code	Subcategory (if applicab	le) <u>EPA</u>	Waste Code	Subcategory (if applicable)	

F001-F005 Spent Solvents Check the box(es) that applies; identify the individual constituents likely to be present. Regulated hazardous constituents Hazardous waste description Methylene chloride Carbon tetrachloride ☐ F001 Spent halogenated solvents 1,1,1-Trichloroethane Tetrachloroethylene used in degreasing 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloroethylene Trichloromonofluoromethane ☐ F002 Spent halogenated solvents Chlorobenzene o-Dichlorobenzene Tetrachloroethylene Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloroethylene Trichloromonofluoromethane ☐ F003 Spent non-halogenated solvents Acetone n-Butyl alcohol Ethyl acetate Cyclohexanone* Ethyl ether Ethyl benzene Methyl isobutyl ketone Methanol* Xylenes (total) o-Cresol m-Cresol ☐ F004 Spent non-halogenated solvents Cresol-mixed isomers (cresylic acid) p-Cresol Nitrobenzene Carbon disulfide* F005 Spent non-halogenated solvents Benzene Isobutyl alcohol 2-Ethoxyethanol 2-Nitropropane Methyl ethyl ketone Toluene Pyridine *The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply to spent solvent nonwastewaters containing only one, two, or all three of these constituents. The treatment standards for these three constituents do not apply when any of the other F001-F005 constituents are present in the waste. **Hazardous Debris** This shipment contains hazardous debris that will be treated to comply with the alternative treatment standards of 268.45 (e.g., macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazardous debris" are in 40 CFR 268.2. Per 268.45, hazardous debris must be treated for each "contaminant subject to treatment." To determine these, look up the waste code in 268.40 and list the regulated hazardous constituents for each code.)

Contaminants subject to treatment

This is a two sided form

EPA Waste Code

The contaminants subject to treatment for this debris are identified below:

Subcategory

Generator: WILLIAMS ALASKA PETROLEUM INC

U.S. EPA I.D. #: AKD000850701

Profile #: 52831-05

Manifest #: NPR38

In accordance with 40 CFR 268.7(a), the underlying hazardous constituents must be addressed in this waste. Per 268.2(i), "underlying hazardous constituent" means any constituent listed in 268.48, Table UTS—Universal Treatment Standard which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. Refer to Form-EZ (attached) for the waste code(s), treatability group, and subcategory applicable to this waste.

	for the reality of the first form of the first f	
	In order to address underlying hazardous constituents in characteristic wastes, please check the appropriate box:	
	I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that there are nunderlying hazardous constituents reasonably expected to be present in this waste.	0
	I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that underlying hazardous constituents are present in this waste. The underlying hazardous constituents are identified as follows:	
	·	_
		_
		-
		-
		_
The	determination of underlying hazardous constituents was based on:	
	Generator's knowledge of the waste	
	Analysis	
	I certify that I personally have examined and am familiar with the waste through analysis and testing, or throughout knowledge of the waste to support this certification. I certify that as an authorized representative of the general named above, all the information submitted in this notification is true and correct to the best of my knowledge.	ator
/	Core D Mead Com 9-20-99	
Pri	nted Name Signature Date	

Generator: WILLIAMS ALASKA PETROLEUM INC

U.S. EPA I.D. #: AKD000850701

Profile #: 45257-07

Manifest #: NPR38

star	e wastes identified on this form a adards specified in Part 268, Su 3.7(a), the required information ap	bpart D or do not meet	the applicable prohibi	ition levels specified in 2	es do not meet the treatmen 268.32. Pursuant to 40 CFF
		bility Group:	☐ Wastewater	Nonwastew	
	(wastewaters	contain less than 1% filte	erabie soitas ana iess i	nan 1% Total Organic Ca	rbonj
	D001 Ignitable (except for Hig (Complete form UC, unles				
	D001 Ignitable (except for High				
	D001 High TOC Ignitable (grea				
	D002 Corrosive managed in n			DWA systems (Complete	form UC)
	D002 Corrosive managed in CV			N24 N B	. s
	D003 Reactive Sulfides based o		P.W.		
	D003 Reactive Cyanides based				
	D003 Water Reactives based of systems (Complete form UC)		l) managed in non-C\	WA/non-CWA-equivaler	t/non Class I SDWA
	D003 Water Reactives based on	261.23(a)(2),(3) and (4)	managed in CWA/CW	A-equivalent/Class I SD	WA systems
	D003 Other Reactives based o			HTG	2002
100.00		3 55 53 4	- T		
	004-43 boxes are checked, comp naged in CWA/CWA-equivalent/C		to address underlying	hazardous constituents (u	nless these wastes are to be
	D004 Arsenic D00	05 Barium 🗆	D006 Cadmium	□ D006 Cadmium-	containing batteries
			D008 Lead acid batte		
	D009 High mercury inorganic (C
	D009 High-mercury organic (>2				
	D009 Low-mercury (<260 mg/		D009 All D009 waste		
	D010 Selenium	□ D011 Silver			
	D012 Endrin	□ D023 o-Cresol		033 Hexachlorobutadie	ne
	D013 Lindane	□ D024 m-Cresol	□ D	034 Hexachloroethane	
	D014 Methoxychlor	□ D025 p-Cresol		035 Methyl ethyl keton	e
	D015 Toxaphene	☐ D026 Cresols (To	tal) 🗆 D	036 Nitrobenzene	
	D016 2,4-D	□ D027 p-Dichlorot	oenzene 🗆 D	037 Pentachlorophenol	
	D017 2,4,5-TP (Silvex)	□ D028 1,2-Dichlor	oethane 🗆 D	038 Pyridine	
	D018 Benzene	□ D029 1,1-Dichlor	oethylene 🗆 D	039 Tetrachloroethylen	e
	D019 Carbon tetrachloride	□ D030 2,4-Dinitrot	toluene 🗆 D	040 Trichloroethylene	
	D020 Chlordane	□ D031 Heptachlor	□ D	0041 2,4,5-Trichlorophe	nol
	D021 Chlorobenzene	□ D032 Hexachloro		042 2,4,6-Trichlorophe	nol
	D022 Chloroform			0043 Vinyl chloride	
Not	e: If any bolded entries are che material is treated in a Clea				
CV	ddition, the following wastes are				
	F001-F005 spent solvents. (If th number(s) that applies, and iden	is box is checked, comple ntify the constituents likely	te the F001-F005 secti y to be present in the w	ion on the back of this for aste.)	m. Check the hazardous was
If t	nis shipment carries additional	waste codes that are not	addressed above, ide	entify them here:	
	A Waste Code Subcar	tegory (if applicable)	EPA Waste C	Code Subcateg	ory (if applicable)
			#		
-			-		

Check the box(es) that applies; identify the individual constituents likely to be present.

Hazardous waste descrip	tion Regi	lated hazardous constituents	
☐ F001 Spent halogenate	ed solvents Carbo	on tetrachloride	Methylene chloride
used in degreasi	ing Tetra	chloroethylene	1,1,1-Trichloroethane
		loroethylene	1,1,2-Trichloro-1,2,2-trifluoroethane
	Trich	loromonofluoromethane	
☐ F002 Spent halogenate	ed solvents Chlor	robenzene	o-Dichlorobenzene
		ylene chloride	Tetrachloroethylene
		Trichloroethane	1,1,2-Trichloroethane
	Trich	loroethylene	1,1,2-Trichloro-1,2,2-trifluoroethane
	Trich	loromonofluoromethane	
☐ F003 Spent non-haloge	enated solvents Aceto	one	n-Butyl alcohol
		hexanone*	Ethyl acetate
		benzene	Ethyl ether
	Meth		Methyl isobutyl ketone
	Xyler	nes (total)	
☐ F004 Spent non-haloge	enated solvents m-Cro	esol	o-Cresol
a roo4 spent non-natogo	p-Cre		Cresol-mixed isomers (cresylic acid)
		benzene	Cresor mixed isomers (cres) no acid)
D 2007 2			6 1 1 161 1
☐ F005 Spent non-haloge			Carbon disulfide*
		oxyethanol	Isobutyl alcohol
	Pyrid	yl ethyl ketone	2-Nitropropane Toluene
solvent nonwastewaters con	ntaining only one, two, or a	ll three of these constituents. The uents are present in the waste.	vaters are based on the TCLP and apply to spent treatment standards for these three constituents
☐ This shipment contains macroencapsulation or	hazardous debris that will labrasive blasting).	be treated to comply with the alte	rnative treatment standards of 268.45 (e.g.,
(The definitions of "debr for each "contaminant so hazardous constituents fo	ubject to treatment." To	ris" are in 40 CFR 268.2. Pe determine these, look up the	r 268.45, hazardous debris must be treated waste code in 268.40 and list the regulated
The contaminants subject to	treatment for this debris are	e identified below:	
EPA Waste Code	Subcategory	Contaminants subject to treat	tment
		X -albana a a a safa	
			_

Generator: WILLIAMS ALASKA PETROLEUM INC

U.S. EPA I.D. #: AKD000850701

Name of the last			
Profile #: 92142-03		Manifest #: NPR38	
standards specified in Part 268, Su	re subject to the land disposal restriction of the applicable oplicable to each waste is identified below.	ons of 40 CFR Part 268. The wastes do not meet to prohibition levels specified in 268.32. Pursuant ow (check all boxes that apply):	he treatment to 40 CFR
	bility Group: Sountain less than 1% filterable solids of	water Nonwastewater and less than 1% Total Organic Carbon)	
(Complete form UC, unless □ D001 Ignitable (except for High □ D001 High TOC Ignitable (great □ D002 Corrosive managed in red □ D002 Corrosive managed in CW □ D003 Reactive Sulfides based of □ D003 Reactive Cyanides based of □ D003 Water Reactives based of systems (Complete form UC) □ D003 Water Reactives based on	as D001 is the only "D" code and the wan TOC) managed in CWA/ CWA-equivalent than 10% total organic carbon) on-CWA/non-CWA-equivalent/non (VA/ CWA-equivalent/Class I SDWA syon 261.23(a)(5) on 261.23(a)(5) on 261.23(a)(2),(3) and (4) managed in	Class I SDWA systems (Complete form UC)	DWA
If D004-43 boxes are checked, comparanged in CWA/CWA-equivalent/C	lete and attach Form UC to address und Lass I SDWA systems):	derlying hazardous constituents (unless these waste	s are to be
D007 Chromium D00 D009 High mercury inorganic (2) D009 High-mercury organic (>2) D009 Low-mercury (<260 mg/s) D010 Selenium D012 Endrin D013 Lindane D014 Methoxychlor D015 Toxaphene D016 2,4-D D017 2,4,5-TP (Silvex) D018 Benzene D019 Carbon tetrachloride D020 Chlordane D021 Chlorobenzene D022 Chloroform	□ D011 Silver □ D023 o-Cresol □ D024 m-Cresol □ D025 p-Cresol □ D026 Cresols (Total) □ D027 p-Dichlorobenzene □ D028 1,2-Dichloroethane □ D029 1,1-Dichloroethylene □ D030 2,4-Dinitrotoluene □ D031 Heptachlor □ D032 Hexachlorobenzene	acid batteries r residue and residues from RMERC tor residue 1009 wastewaters 1 D033 Hexachlorobutadiene 1 D034 Hexachloroethane 1 D035 Methyl ethyl ketone 1 D036 Nitrobenzene 1 D037 Pentachlorophenol 1 D038 Pyridine 1 D039 Tetrachloroethylene 1 D040 Trichloroethylene 1 D041 2,4,5-Trichlorophenol 1 D042 2,4,6-Trichlorophenol 2 D043 Vinyl chloride	
material is treated in a Clea		ess or unless otherwise noted above.	
☐ F001-F005 spent solvents. (If th		7005 section on the back of this form. Check the haz	ardous wast

If this shipment carries additional waste codes that are not addressed above, identify them here:

If this shipment carries	s additional waste codes that are not a	ddressed above, identify the	n nere:
EPA Waste Code	Subcategory (if applicable)	EPA Waste Code	Subcategory (if applicable)
	-		-
	(-	

F001-F005 Spent Solvents Check the box(es) that applies; identify the individual constituents likely to be present. Hazardous waste description Regulated hazardous constituents Carbon tetrachloride Methylene chloride ☐ F001 Spent halogenated solvents Tetrachloroethylene 1,1,1-Trichloroethane used in degreasing 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloroethylene Trichloromonofluoromethane ☐ F002 Spent halogenated solvents Chlorobenzene o-Dichlorobenzene Tetrachloroethylene Methylene chloride 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloroethylene Trichloromonofluoromethane ☐ F003 Spent non-halogenated solvents Acetone n-Butyl alcohol Ethyl acetate Cyclohexanone* Ethyl ether Ethyl benzene Methanol* Methyl isobutyl ketone Xylenes (total) o-Cresol m-Cresol ☐ F004 Spent non-halogenated solvents Cresol-mixed isomers (cresylic acid) p-Cresol Nitrobenzene Benzene Carbon disulfide* F005 Spent non-halogenated solvents Isobutyl alcohol 2-Ethoxyethanol 2-Nitropropane Methyl ethyl ketone Pyridine Toluene *The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply to spent solvent nonwastewaters containing only one, two, or all three of these constituents. The treatment standards for these three constituents do not apply when any of the other F001-F005 constituents are present in the waste. **Hazardous Debris** ☐ This shipment contains hazardous debris that will be treated to comply with the alternative treatment standards of 268.45 (e.g., macroencapsulation or abrasive blasting). (The definitions of "debris" and "hazardous debris" are in 40 CFR 268.2. Per 268.45, hazardous debris must be treated for each "contaminant subject to treatment." To determine these, look up the waste code in 268.40 and list the regulated

Contaminants subject to treatment

hazardous constituents for each code.)

EPA Waste Code

The contaminants subject to treatment for this debris are identified below:

Subcategory

Burlington Environmental Inc., a wholly owned subsidiary of PHILIP SERVICES CORP., RCRA Land Disposal Restriction Notification Form UC

Generator: WILLIAMS ALASKA PETROLEUM INC

U.S. EPA I.D. #: AKD000850701

Profile #: 92142-03

Manifest #: NPR38

In accordance with 40 CFR 268.7(a), the underlying hazardous constituents must be addressed in this waste. Per 268.2(i), "underlying hazardous constituent" means any constituent listed in 268.48, Table UTS—Universal Treatment Standard which can reasonably be expected to be present at the point of generation of the hazardous waste, at a concentration above the constituent-specific UTS treatment standard. Refer to Form-EZ (attached) for the waste code(s), treatability group, and subcategory applicable to this waste.

	In order to address underlying hazardous constituents in characteristic wastes, please check the appropriate box:
	I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that there are no underlying hazardous constituents reasonably expected to be present in this waste.
	I have reviewed the UTS list of 268.48, and per 268.7(a), I have determined that underlying hazardous constituents are present in this waste. The underlying hazardous constituents are identified as follows:
The	determination of underlying hazardous constituents was based on:
	Generator's knowledge of the waste
	Analysis
	I certify that I personally have examined and am familiar with the waste through analysis and testing, or through knowledge of the waste to support this certification. I certify that as an authorized representative of the generator named above, all the information submitted in this notification is true and correct to the best of my knowledge.

Month Day Year

Signature

Printed/Typed Name

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

MICK

*** FOR 24 HOUR EMERGENCY RESPONSE INFORMATION, CALL, (907) 277-9007 ***

(4024 OOA117

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB no. 2050-0039. Expires 9-30-99 21. Generator's US EPA ID No. Information in the shaded UNIFORM HAZARDOUS Manifest Document No. 22. Page **WASTE MANIFEST** areas is not required by Federal (Continuation Sheet) AKTIOOO085070 23. Generator's Name L. State Manifest Document Number WILLIAMS ALASKA PETROLEUM INC M. State Generator's ID 1100 H & H LANE NORTH POLE AK 99705-0000 (907)488-001 24. Transporter O3Company Name N. State Transporter's ID 25. US EPA ID Number O. Transporter's Phone Crowley Marine Service WADOORS58022 12061 340-2901 27. US EPA ID Number P. State Transporter's ID 26. Transporter Od Company Name Q. Transporter's Phone Union Pacific Railroad Co. 925-E9R9 29. Containers 30. Total 31. Unit Waste No. 28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) No. Quantity Type a MACARDOUS WASTE, LIQUID, M.O.S. (PETPOLEGE DISTILLATES) A MAYOR: K050 26 POUL KOSOL ERGILLEL DH b. HASARBOUS VASTE, SOLID, # O.S. (BOOK) 9 KA3011 PROLE SRG9:17: DOOK DH 10 RO HANARHOUS WASTE LIQUID M.O.S. FLEAD, BENEEFE - NA 108: PGIII D008 B018 RO ERGELIZE -136 P d. BALARDOUS WASTE, SOLID, M.O.S. PETROLEUM DISTILLATED - HARON K050 E N PGITT : EONG: BRG4:171 DH E R e. A 0 g. h. S. Additional Descriptions for Materials Listed Above T. Handling Codes for Wastes Listed Above at 45257-07 - - HEAT EXCHANGER SLUDGE - AFOI AFO2 AFO3 AFO4 INC13 INC09 (8) bl a) b) c) di 144027-02 - - SAND BLAST WEDIA - STABO7 (9) 0) 92142-03 - - USED KEROSENE - AF01 AFO2 AFO3 AFO4 (10) 6) 149366-01 - PPE CONTAMINATED WITH HEAT EXCHANGER SLUDGE -THOIR THOIR (111 32. Special Handling Instructions and Additional Information Acknowledgement of Receipt of Materials 33. Transporter __ Date Printed/Typed Name Month Day Year Signature Date 34. Transporter Acknowledgement of Receipt of Materials ORTER Printed/Typed Name Signature Month Day Year 35. Discrepancy Indication Space

	NIFORM HAZARDOUS 1. Generator's US I WASTE MANIFEST	I	cument No	2. P			the shaded are by Federal law
3.	Generator's Name and Mailing Address	30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	tate Manifest I	Docume	nt Number
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1	Generator's Phone	TO ST. SIGNIFORD IN CO.		B. S	tate Generator	r's ID	
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70.2	that products have commercial con-	Africa Value	·		ransporter's Pl		77)272-90X
7.	Transporter 2 Company Name	8. US EPA ID Numb	er		tate Transport		
200	Alaska Haritond Corporation	ARDER Lea (4)33			ransporter's Ph		J7 265~2 4 .
9.	Designated Facility Name and Site Address	10. US EPA ID Numb	er	G. S	tate Facility's I	ID	
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6.	GENERATOR'S CERTIFICATION: I hereby declare that the proper shipping name and are classified, packed, marked, according to applicable international and national government I I am a large quantity generator, I certify that I have a proto be economically practicable and that I have selected the present and future threat to human health and the environ generation and select the best waste management method Printed/Typed Name	ation e contents of this consignment are fue and labeled/placarded, and are in all ent regulations. gram in place to reduce the volume a practicable method of treatment, stoment; OR, if I am a small quantity gram is available to me and that I can Signature	Illy and accurespects in and toxicity orage, or disenerator, I is afford.	of wast	lescribed above b condition for tran e generated to th urrently available	oy sport e degree t to me wl	nich minimizes th ninimize my wast
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Date: 07/29/99

CERTIFICATE OF TREATMENT, RECYCLING, AND/OR DISPOSAL

This is to certify that the following waste material was received, managed, and treated in compliance with all applicable Federal and Washington State Laws and regulations.

Facility: BURLINGTON ENVIRONMENTAL INC. GEORGETOWN FACILITY EPA ID: WAD000812909

734 SOUTH LUCILE STREET SEATTLE WA 98' 98108

Generator: 4024 - WILLIAMS ALASKA PETROLEUM INC

EPA ID: AKD000850701

Manifest: NPR36-99

Waste Receipt #: GTW-46605

Date Received: 04/08/99

ine Profile	Material Description	Treatment/Disposal Description	Final Treatment/ Disposal Facility	Final PSC Final Date/ Manifest PgLn Date Shipped
1A 92144-04	HAZARDOUS WASTE SOLID, N.O.S. (BENZENE)	M043 INCINERATION - SOLIDS	WASTE TECHNOLOGIES INDUSTRIES	24991-GTW 1A 05/26/99
1D 92142-02	HAZARDOUS WASTE LIQUID, N.O.S. (LEAD, BENZENE)	MO61 FUEL BLENDING	ASH GROVE CEMENT	24972-GTW 1A 05/10/99
2A 45258A-01	WASTE FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, BENZENE)	MO41 INCINERATION - LIQUIDS	ENSCO	24939-GTW 2B 04/22/99
	(FERROLLON DISTILLATES, BEHZERE)		ENSCO	24954-GTW 1A 04/26/99
28 145851-02	WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (MERCURY)	M111 STABILIZATION/CHEMICAL FIXATION/CEMENT	COLUMBIA RIDGE LANDFILL	14692-KNT 1A 05/30/99
2c 52831-05	HAZARDOUS WASTE LIQUID, N.O.S. (SULFOLANE, BENZENE)	MO61 FUEL BLENDING	ASH GROVE CEMENT	24972-GTW 1A 05/10/99

Name: Michelle Wood

Signature: Michell Wesd

Title: Waste Tracking Specialist

		THE RESERVE OF THE PARTY OF THE	199A04:	2	Form	10704W.1000110	no. 2050-0	0039. Expires 9-3
	or type. (Form designed for use or	elite (12-pitch) typewriter.) 1. Generator's US EPA	ID No. Manifest D	ocument No.	T	age 1 Inform	nation in t	the shaded are
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. Gen	1100 H & H LANE nerator's Phone NORTH PC	LE AK 99705-00	00 (907)488-0033	107	WIND BOOK	(age: 37")		
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	rlington Environme	ntal, Inc.	8. US EPA ID Numb	C 3	CONTRACTOR OF THE PARTY OF THE	ransporters Ph tate Transporte	Action in contrast of the last	07)272-90
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1, US	DOT Description (Including Pr	oper Shipping Name, Ha	zard Class and ID Number)	No.	Туре	Total	Unit Wt/Vol	PARSON INC.
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	itional Descriptions for Materia	- FAR 1884 100 C	Same of the State of Control of	mode ends ends	W He	ndling Codes	for Waste	s Listed Above
	- 0529 PAINT THINNES - AP \$101-APO2 APO3 APO4 (4)-d)	9: AFO2 AFO3 AFO4 (3 92142-02 USED	THE SERVE - APOL AFOR AFO	B PAINT (
5. Spe	ecial Handling Instructions and	Additional Information						
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100	*** ***					- 3	10	
6. GEN	NERATOR'S CERTIFICATION: I he	reby declare that the conte	ents of this consignment are fully	and accurate	ly descri	bed above by		- 100
prop	per shipping name and are classifie	d, packed, marked, and lab	ulations.	specia in prof	or cond	mon for transport		
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thre	at to human health and the environ	ment: OR, if I am a small Q	Dantity generator, i have made a	good faith ef	fort to m	inimize my waste	generation	n and select the b
-	te management method that is avail nted/Typed Name	lable to me and that I can a	Signature	1				Month Day
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7. Tra	nsporter 1 Acknowledgement							
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OR SHEET MAN	nsporter 2 Acknowledgement	of Receipt of Materials	Signature		7			Month Day
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y Fac	lity Owner or Operator: Certif	cation of receipt of haz	zardous materials covered b	y this mani	fest exc	cept as noted in	n Item 19	
COLUMN TO STREET	ned Typed Name	1.1	Signature	1++ 11	10	11.		Month Day
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1700-37A (Rev. 9-88) Previous edition is obsolete

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Form Approved, OMB no. 2050-0039, Expires 9-30 o

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1	WASTE MANIFEST Continuation Sheet)	21. Generator's US EPA ID No. AKDOO0850701		cument No.	22. Pa	ge Informa	tion in th	e shaded uired by Federal
	enerator's Name WILLIAMS ALASK 1100 H & H LAN	A PETROLEUM INC E 99705-0000 (907)488-	ž adseliny		M. Stat	e Manifest Doc	Put	to the two Cets
row 26. Tr	ransporter <u>O3</u> Company Nar rley Marine Service ransporter <u>O4</u> Company Nar	ne De	25. US EPA ID Numl WADOO895802 27. US EPA ID Numl	ber Der	N. Stat O. Tran P. State	e Transporter's naporter's Phor e Transporter's	1D 10/907) 563-1116
28. U		Proper Shipping Name, Hazard Cl		29. Cont	ainers	30. Total	31. Unit Wt/Vol) 622-0123 R. Waste No.
F.C	WASTE FLAMMABLE LIQUID UN1993 POIL ERG0/12	W.O.S. (PETROLEUM DISTILLAT	res, beniene) dan		Type	9800		0001 0003 F037
FO	(MERCHRY) 9 UN3077 PGI	HAZARDOUS SUBSTANCES, SOLID, II ERGS(171) 80205 00	W.6.8.		OM .	600	P	OOO9
RQ		, N.O.S. (SULFOLANE, BENZENE)	9 WA3082	1	DH	80	P	0018
j.	7.00						- ,4	41350 P APP 68 De
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1	3 1/2					*		
452 5451 TH B	-02 - YLUOPESCEPP LIGH ENTERS - APOL APO2 APO3 A	RPARATOR SLUDGE (REGULATED S T TUBES - STABO4 STABO5 (8) FO4 INCO9 (9)) b) LPOLANE	a) b)	dling Codes for c)	uslituou	
2. 8	pecial Handling Instructions a	nd Additional Information					4/	e le B v P
P 14. T	rinted/Typed Name	gement of Receipt of Materials Gement of Receipt of Materials	Signature	Joi.	3	1,a	op-Ol	Date Month Day Ye 1) 2 24 4 Date
	Inted Typed Name Charles	alt of this iteratick	Signature	hift	Si	du		Month Day Y
	mucation Space			U (

***FOR 24 HOUR EMERGENCE RESPONSE INFORMATION, CALL (907) 272-9007 ***

ruse print or type (Form designed for use on elite (12-bitch) type	(4024	4/4/1	5	Form Ann	OZ/Z		0039. Expires 9-30-9
UNIFORM HAZARDOUS AKDOOOS	JS EPA ID No	Manifest Do	ocument No.	2 Page of 2	1 Inform	nation in	the shaded areas by Federal law
3 Generator's Name and Mailing Address WILLIAMS ALASKA PETROLEUM				A. State	Manifest D	ocument	Number
1100 H & H LANE	INC			B. State	Generator's	s ID	
4. Generator's Phone NORTH POLE AK 9970	05-0000 (907	The same of the sa					
5. Transporter 1 Company Name Burlington Environmental, Inc.	6. I aktiv	US EPA ID Numbe 983068602	št.		ransporte		07)272-9007
7. Transporter 2 Company Name	The state of the s	US EPA ID Numbe	er	The state of the s	ransporte		OTTETE SOOT
Alaska Railroad Corporation		981767403		Per la constitución de la consti			07)265-2476
Designated Facility Name and Site Address BURLINGTON ENVIRONMENTAL INC.	10.	US EPA ID Numbe	št.	G. State	Facility's ID)	
734 South Lucile Street				H. Facilit	y's Phone		31 8 2 2 2 3
Seattle , WA 98108	WAI	0000812909		9 8 9		762-3	
11 US DOT Description (Including Proper Shipping No.	ame, Hazard Class	and ID Number)	12. Conta	18	13. Total Duantity	14. Unit Wt/Vol	Waste No.
a HAXARDOUS WASTE SOLID, N.O.S. (BENZEN)	E) 9 MA3077 PGII	I ERG# (171	1	CF C	Juannity	VVIVOI	D018
RQ)		1.1	2		00	P	. 9
b. WASTE PAINT RELATED NATERIAL 3 UN1269	PGIT (BAALL P	Dat (102		-		1	DO01 F003 F00
RO KO	TOTT (BOOT) B	11 121 10		DI		, p	- /
	3	<i>y</i>		-		1	50
C. WASTE PAINT 3 UNI263 PGH (DOOI) ERO	G\$(127) ~~			BA		1	Bolot
				Dri			
HAZARDOUS WASTE LIQUID, N.O.S. (LEAD, ERG#(171)	BENZENE) 9 NA30	82 PGIII	1	DM 4	00	P	D008 D018
- USED PAINT THINNER - APO1 APO2 AFO3 - APO1 AFO2 AFO3 AFO4 (4)-d) 92142-02 - (5) 15. Special Handling Instructions and Additional Info	- USED KEROSENE		A STATE OF THE REAL PROPERTY.				
16. GENERATOR'S CERTIFICATION: I hereby declare that the proper shipping name and are classified, packed, marked according to applicable international and national government. If I am a large quantity generator, I certify that I have a preconomically practicable and that I have selected the practicable and the environment; OR, if I am a waste management method that is available to me and the	I, and labeled/placard ment regulations. program in place to re ticable method of treat a small quantity gener	led, and are in all responded educe the volume and tment, storage, or disponded	ects in prope toxicity c! w osal currently	r condition to aste genera available to	or transport ted to the de me which m	inimizes th	e present and future
Printed/Typed Name Corey D, Megd		Signature					Month Day Year 3 Z 99
17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name		Signature, 1	0				Month Day Year
MICHAEL CHILBERTO PHILLE	SERVICES	1111	0	~	>		03 02 99
18. Transporter 2 Acknowledgement of Receipt of M	aterials			>			
Primed/Typed Name	/	Signature	12	0			Month Day Year I ストノコトタム
19. Discrepancy Indication Space	E	Jegu	-110	in	\sim		101/01/9
20. Facility Owner or Operator: Certification of receip			this manife	st except a	s noted in	Item 19.	
Printed/Typed Name		Signature	HIA.	H	0 2	. ^	Month Day Year

1 100	se prii	nt or type. (Form designed for use on elite (12-pitch) typewriter	.)			Form	Approved. Of	MB no. 2050	0-0039. Expires 9-30-99
7	W	CORM HAZARDOUS ASTE MANIFEST ANTINUATION Sheet) AKDOO0850701		Manifest Doce	ument No.	22. Pa 2 of			the shaded quired by Federal
23	_	erator's Name	100.7	CACAG			e Manifest D	ocument l	Number
		WILLIAMS ALASKA PETROLEUM INC							
		1100 H & H LANE				M. Sta	te Generato	r's ID	territorio de la companio de la comp
		NORTH POLE AK 99705-0000 (907)4							
24	Tran	nsporter O3 Company Name		EPA ID Numb	er		te Transport		
Cr	owle	ey Marine Service		08958027		O. Tra	nsporter's P	none (907	7) 563-1114
10000		sporter 04 Company Name	27. US E	EPA ID Numb	er		le Transport		
Un	ion	Pacific Railroad Co.	NEDO	01792910		Q. Tra	nsporter's P	none(314	1) 622-0123
28	US	OOT Description (Including Proper Shipping Name, Haze	ard Class, and IL	D Number)	29. Cont	1	30. Total	31. Unit	R. Waste No.
_	НМ	44 AV - 24 AV	45	100	No.	Туре	Quantity	Wt/Vol	-
a.	RQ	WASTE FLANMABLE LIQUID, N.O.S. (PETROLEUN DIST: UN1993 PGII ERG#(128)	ILLATES, BENZE	SNE) 3	12	DM	4800	P	0001 D003 F037
b.	RO	NASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOI (NERCURY) 9 UN3077 PGIII ERG\$(171)	LID, W.O.S.		1	DM	600	P	0009
	1				•	<u> </u>	000	1	
C.	Q	HAZARDOUS WASTE LIQUID, N.O.S. (SULFOLANE, BEN) PGIII ERG\$(171)	ZENE) 9 NA3082	2	1	DM	80	P	0018
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145	15258 351-0	ional Descriptions for Materials Listed Above (A-01 OILY WATER, SEPARATOR SLUDGE (REGULAT (2 FLUORESCENT LIGHT TUBES - STABO4 STABO5 (2EME - AFO1 AFO2 AFO3 AFO4 INCO9 (9)	PED SULFIDES) (8) c) 52831-	- INC13 (6) -05 SUL	b) FOLANE	T. Har	(2) (2) (3) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	for Waste	s Listed Above
32	. Spe	cial Handling Instructions and Additional Information							
33		nsporter Acknowledgement of Receipt of Materia	als Signatur	2		-	1.0	low.	Date Month Day Year
	i 17	Regina RALME!	17k	qui (12	mi	J		03124199
34		nsporter Acknowledgement of Receipt of Materi		0,	1		. 1		Date
	Prin	ted Type of Name Charles at Music Taco	ACL Signatur	* at	tul	SI	Idu	.); 	04 108 99
35	Dis	crepancy Indication Space		1	0				dia 5
		0							







MAPCO-WILLIAMS, ILASKA PETROLEUM, INC. Photo 1 North Pole, Alaska

Cleaning pad for theheat exchangers look to the south.

USEPA-R10









MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 2 North Pole, Alaska

At the south end of the pad are two sumps like this one. The oily water is pumped out and sent to "Tank 195", the iseadworks of the waste water treatment unit.

USEPA-R10











MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 3 North Pole, Alaska

Observation of containers holding K050 hazardous waste and the cleaning pad at Williams. Approximately 39 drums of various waste are stored for pickup by Phillips Environmental.

USEPA-R10















Observation of a heat exchanger. The soils in the background are from spill clean-ups at Williams.

USEPA-R10









MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 5

Observation of the cleaning pad looking northwest.













MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 6
North Pole, Alaska

Spill clean-up soils. The soils will be disposed at OIT, a soil burning operation located in North Pole, Alaska.

USEPA-R10





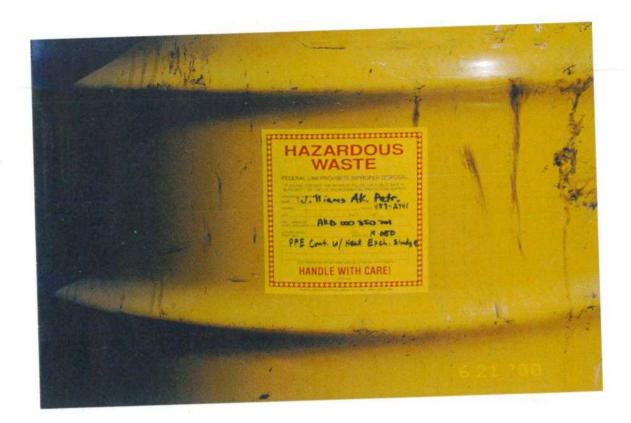






Spill clean-up soil. The soils will be disposed at OIT, a soil burning operation located in North Pole, Alaska. Looking south.

USEPA-R10









MAPCO-WILLIAMS, ALASKA PETROLEUM, INC. Photo 8 North Pole, Alaska





USEPA-R10



